

**BOSE**<sup>®</sup>  
Better sound through research<sup>®</sup>

## Lifestyle<sup>®</sup> 135 Home Entertainment System

## CineMate<sup>®</sup> 1SR Digital Home Theater Speaker System



Lifestyle<sup>®</sup> 135 Home Entertainment System



CineMate<sup>®</sup> 1SR Digital Home Theater Speaker System

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## SAFETY INFORMATION

1. Parts that have special safety characteristics are identified by the  symbol on schematics or by special notes on the parts list. Use only replacement parts that have critical characteristics recommended by the manufacturer.

2. Make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the unit to the customer.

Use the following checks to perform these measurements:

A. Leakage Current Hot Check-With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 "Leakage Current for Appliances" and Underwriters Laboratories (UL) 6500/60065 / IEC 60065 paragraph 9.1.1. With the unit AC switch first in the ON position and then in OFF position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the unit (antennas, handle bracket, metal cabinet, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamp. Reverse the unit power cord plug in the outlet and repeat test. ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE UNIT TO THE CUSTOMER.

B. Insulation Resistance Test Cold Check-(1) Unplug the power supply and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the unit. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and each exposed metallic cabinet part on the unit. When testing 3 wire products, the resistance measured to the product enclosure should be between 2 and infinite M $\Omega$ s. Also, the resistance measured to exposed input/output connectors should be between 4 and infinite M $\Omega$ s. When testing 2 wire products, the resistance measured to exposed input/output connectors should be between 4 and infinite M $\Omega$ s. If it is not within the limits specified, there is the possibility of a shock hazard, and the unit must be repaired and rechecked before it is returned to the customer.

### ELECTROSTATIC DISCHARGE SENSITIVE (ESDS) DEVICE HANDLING

This unit contains ESDS devices. We recommend the following precautions when repairing, replacing or transporting ESDS devices:

- Perform work at an electrically grounded work station.
- Wear wrist straps that connect to the station or heel straps that connect to conductive floor mats.
- Avoid touching the leads or contacts of ESDS devices or PC boards even if properly grounded. Handle boards by the edges only.
- Transport or store ESDS devices in ESD protective bags, bins, or totes. Do not insert unprotected devices into materials such as plastic, polystyrene foam, clear plastic bags, bubble wrap or plastic trays.

**CAUTION: THE BOSE® LIFESTYLE® 135 AND CINEMATE® 1 SR, CONTAINS NO USER SERVICEABLE PARTS. TO PREVENT WARRANTY INFRACTIONS, REFER SERVICING TO WARRANTY SERVICE STATIONS OR FACTORY SERVICE.**

#### PROPRIETARY INFORMATION

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BOSE CORPORATION WHICH IS BEING FURNISHED ONLY FOR  
THE PURPOSE OF SERVICING THE IDENTIFIED BOSE PRODUCT  
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OTHER PURPOSE.

# Product Overview

## Lifestyle® 135 Home Entertainment System

The main components of a Lifestyle® 135 Home Entertainment System are a AV35 control console, Soundbar, and Bass module. The AV35 control console is the same as sold with the Bose® Lifestyle® V25/35 Home Entertainment Systems; repair information for the control console is covered in the AV20/35 service manual. The AV35 control console connects to the soundbar. All devices connect to the AV35 control console.

The soundbar transmits wireless audio to the bass module. The bass module pairs to the soundbar by storing the soundbar device ID. Up to four systems can operate in close proximity. If more than four systems are used, SMB cable part number 331731-0010 should be used to make a wired connection between the bass module and soundbar. The wired connection will also help resolve situations where other wireless components interfere with the wireless connection of the Bose® system.

## CineMate® 1 SR

The main components of a CineMate 1 SR Digital Home Theater Speaker System are a Soundbar and Bass module.

The AUX input is not a second input. The TV audio output connects to the soundbar TV input. Other devices such as a cable/SAT box and blu-ray player should have audio connections to the TV and also to the soundbar AUX input. The soundbar will compare the signal at the TV input to the signal at the AUX input and chose the best quality signal. Example, if the TV output is PCM 2.0 and the AUX input is 5.1, the soundbar will switch to the AUX input. It will only switch to the AUX input if the signal quality is better at the AUX input and the content is identical to the signal connected at the TV input.

The soundbar transmits wireless audio to the bass module. The bass module pairs to the soundbar by storing the soundbar device ID. Up to four systems can operate in close proximity. If more than four systems are used, SMB cable part number 331731-0010 should be used to make a wired connection between the bass module and soundbar. The wired connection will also help resolve situations where other wireless components interfere with the wireless connection of the Bose® system.

SMB cable part number 331731-0010 is 4m and is intended for use by the customer. For applications requiring a longer wired connection, SMB to F cable part number 345328-0010 is available. Two of these cables are needed to make a connection at the soundbar and bass module. Up to 100' of coax cable can be used between the two cables.

## Part List Notes

1. This part is not normally available from customer service. Approval from the Field Service Manager is required before ordering.
2. The individual parts located on the PCB are listed in the part list.
3.  This part is critical for safety purposes. Failure to use a substitute replacement with the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards.
4. This part is referenced for informational purposes only. It is not stocked as a repair part. Refer to the next higher or lower level assembly for a replacement part.
5. This part is used on the CineMate® 1SR variant only
6. This part is used on the Lifestyle® 135 variant only
7. When replacing the DSP PCB in a CineMate 1 SR, set the country variant. Refer to the procedures on page 76

# CineMate® 1 SR System Packaged Part List

Material Number	Description	QTY	Note
328040-001S	SOUND BAR CINEMATE US AIM, SERVICE	1	
328040-002S	SOUND BAR CINEMATE EU/UK, SERVICE	1	
328040-004S	SOUND, BAR CINEMATE JP, SERVICE	1	
329009-001S	BASS MODULE, DUAL, CINEMATE SR 1	1	
342835-1200 or -1210	REMOTE, IR, CINEMATE 1SR, BLK	1	
279101-1310	LINE CORD, 120V, NON-POL, DET, BLK, 1500	2	3 
280135-1310	LINE CORD, 220V, EUR, DET, BLK, 1500	2	3 
284243-1310	LINE CORD, 240V, AUS, DET, BLK, 1500	2	3 
311668-1310	LINE CORD, 230V, KOREA, BLK, 1500	2	3 
329792-1310	LINE CORD, 110V, TAIWAN, BSMI, DET, 1525mm	2	3 
280136-1310	LINE CORD, 100V, JPN, DET, BLK, 1500	2	3 
280138-1310	LINE CORD, 230V, UKS, DET, BLK, 1500	2	3 
185931-101	CABLE, RCA, 6 FT	1	
347411-0010	CABLE, OPTICAL, 2	2	
342771-1010	CABLE, SIGNAL, SINGLE, 6FT, RCA, 75 OHM	1	
347376-0010	KIT, EXT FOOT	1	
142839	BUMPER, RECESSED, FOOT, .88" 4	1	
331789-0010	KIT, HEADSET, ADAPTIQ, 3.5MM PLUG	1	
342773-0010	GUIDE, OPERATING, H, US, UK, AIM	1	
342893-0010	GUIDE, OPERATING, H, EU		
342894-0010	GUIDE, OPERATING, H, BKK		
343500-0010	GUIDE, SET-UP, US, UK, AIM	1	
343501-0010	GUIDE, SET-UP, EU	1	
343502-0010	GUIDE, SET-UP, BKK	1	
349854-0020	KIT, CLOTH, CLEANING	1	
348282-0010	GUIDE, UNIVERSAL REMOTE CODES	1	
350092-0010	SETUP DVD NTSC CINEMATE 1 SR	1	
287077-003	KIT, SUB-ASSY, BATTERY, AA, 2PK	1	3 
331731-0010	CABLE, SIGNAL, SMB COAXIAL, MALE, 4M	-	
345328-0010	CABLE, SIGNAL, SMB-F COAXIAL, MALE, 1M	-	
350263-001S	SHIPPING CARTON KIT, CINEMATE 1SR SYSTEM	-	
350267-001S	SHIPPING CARTON KIT, SOUNDBAR	-	
350265-001S	SHIPPING CARTON KIT, BASS MODULE	-	
349786-0010	KIT, WB-135 MOUNTING HARDWARE	-	
349787-0010	KIT, WB-135, CABLE MANAGEMENT	-	

# Lifestyle® 135 System Packaged Part List

Refer to the AV35 STCH Manual for Series III components and packaging

Material Number	Description	QTY	Note
328040-005S	SUB ASSY, ARRAY, LIFESTYLE 135, NON-EU	1	
328040-006S	SUBASSY, ARRAY, LIFESTYLE 135, EU/UK	1	
329009-002S	BASS MODULE ASSY, LS 135, BLK	1	
330769-151S	CONSOLE ASSY, AV25/35, H3D, US, SVCE	1	
330769-254S	CONSOLE ASSY, AV25/35, H3D, EU, SVCE	1	
330769-351S	CONSOLE ASSY, AV25/35, H3D, JP, SVCE	1	
330769-551S	CONSOLE ASSY, AV25/35, H3D, APAC, SVCE	1	
314596-007	REMOTE, RF, RC35T-L, USA/EU	1	
318585-1011	DOCK, IPOD, LIFESTYLE	1	
318542-0002	DRIVE, FLASH, USB W/O SILICONE CASE	1	
316263-103	PWR SUPPLY, EXT, UNVSL, 1.67A, 12V, 20W	1	3 
279101-1310	LINE CORD, 120V, NON-POL, DET, BLK, 1500	3	3 
280135-1310	LINE CORD, 220V, EUR, DET, BLK, 1500	3	3 
284243-1310	LINE CORD, 240V, AUS, DET, BLK, 1500	3	3 
311668-1310	LINE CORD, 230V, KOREA, BLK, 1500	3	3 
329792-1310	LINE CORD, 110V, TAIWAN, BSMI, DET, 1525mm	3	3 
280136-1310	LINE CORD, 100V, JPN, DET, BLK, 1500	3	3 
280138-1310	LINE CORD, 230V, UKS, DET, BLK, 1500	3	3 
302580-1001	CABLE, DIN-9/DIN-9	1	
185931-101	CABLE, RCA, 6 FT	1	
326853-0110	CABLE, HDMI, 19POS, 2M, BLACK	1	
324714-1010	CABLE ASSY, IR DONGLE, 3 Emitter	1	
347426-0010	ANTENNA, FM DIPOLE, F CONN	1	
199824-002	ANTENNA ASSY, AM, CD20	1	
347376-0010	KIT, EXT FOOT	1	
142839	BUMPER, RECESSED, FOOT, .88"	4	
307702-001	KIT, ADAPTIQ HEADSET	1	
342774-0010	GUIDE, OPERATING, LS135, US, UK, AIM	1	
342896-0010	GUIDE, OPERATING, LS135, EU	1	
342898-0010	GUIDE, OPERATING, LS135, APAC	1	
342897-0010	GUIDE, OPERATING, LS135, BKK	1	
342796-0010	GUIDE, SET-UP, LS135, US, UK, AIM	1	
342901-0010	GUIDE, SET-UP, LS135, APAC	1	
342900-0010	GUIDE, SET-UP, LS135, BKK	1	
287077-001	KIT, SUB-ASSY, BATTERY, AA, 4PK	1	3 
349854-0020	CLOTH, CLEANING	1	
331731-0010	CABLE, SIGNAL, SMB COAXIAL, MALE, 4M	-	
345328-0010	CABLE, SIGNAL, SMB-F COAXIAL, MALE, 1M	-	

## **Lifestyle® 135 System Packaged Part List**

**Refer to the AV35 STCH Manual for Series III components and packaging**

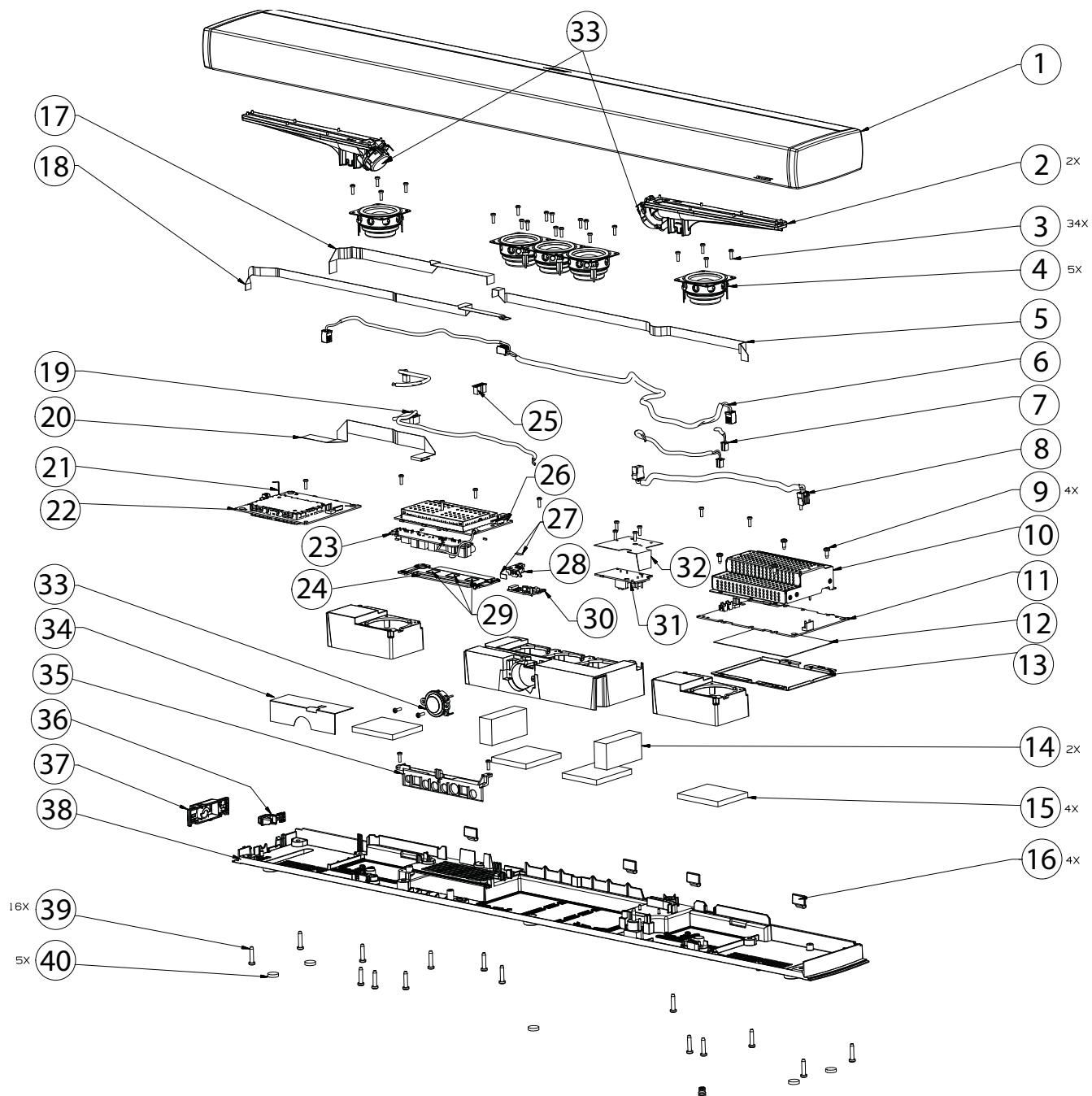
(continued)

<b>Material Number</b>	<b>Description</b>	<b>QTY</b>	<b>Note</b>
350263-001S	CINEMATE® 1SR CARTON KIT	-	
350267-001S	SHIPPING CARTON KIT, SOUNDBAR	-	
350265-001S	SHIPPING CARTON KIT, BASS MODULE	-	
349786-0010	KIT, WB-135 MOUNTING HARDWARE	-	
349787-0010	KIT, WB-135, CABLE MANAGEMENT	-	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Main Assembly Part List

Item Number	Description	Material Number	Qty	Note
1	TOP COVER, CINEMATE 1 SR TOP COVER ASSY, LS 135	343924-001S 343924-002S	1	
2	ASSY, PHASEGUIDE, SOUND BAR	NA	2	
3	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	34	
4	TWIDDLE, 50MM	359302-0010	5	
5	CABLE, FFC, 21POS	330894-0010	1	
6	CABLE, DC POWER	330643-0010	1	
7	HARNESS, TWIDDLE, 2POS, 135mm	330646-0135	1	
8	CABLE, AC POWER	330634-0010	1	
9	SCREW, TAPP, 6-32, PAN, TORX, 5/16 IN	279948-05	4	
10	SHIELD, POWER SUPPLY	331396-0020	1	
11	POWER PCB, ARRAY, PWR SUP	347360-101S	1	
12	INSULATOR, BOTTOM, PS	331168-0020	1	
13	SHIELD, BRACKET, POWER SUPPLY	331397-0010	1	
14	FOAM, ACOUSTIC, 1.25X2.5X0.75IN	273518-010	2	
15	FOAM, ACOUSTIC, 2.125X2.5X0.25IN	273518-011	4	
16	HOOK, CABLE RETENTION, W/PSA	349941-0010	4	
17	CABLE, FFC, 25POS, 450mm, 0.5mm PITCH	330895-0010	1	
18	CABLE FFC, 9POS, 550mm, 1mm PITCH	343467-0010	1	
19	HARNESS, ACOUSTIC, 4POS	343532-0010	1	
20	CABLE, FFC, 15POS, 285mm, 1mm PITCH	343468-0010	1	
21	ANTENNA, RF	283332-002	1	
22	DSP PCB, 1SR, ARRAY, US/APAC	347377-104S or -105S	1	7
	DSP PCB, 1SR, ARRAY, EU/UK	347377-304S or -305S	1	
	DSP PCB, LS 135, ARRAY, DSP	347377-204S	1	
23	I/O PCB, 1SR, ARRAY I/O PCB ASSY, LS 135, ARRAY	347368-101S 347368-201S	1	
24	SPREADER PLATE	330890-0010	1	
25	HARNESS, ACOUSTIC, CENTER	343531-0010	1	
26	AMP PCB, ARRAY, AMP	347357-101S	1	
27	LIGHT DIFFUSER, NO GASKET	343669-0010	2	
28	SHROUD, LED, PLASTIC, IR TRANS	345155-0010	1	
29	GAP FILLER, THERMAL, ONE PART	NA	0.65	
30	IR RCVR PCB, 1SR, ARRAY IR PCB ASSY, LS 135, ARRAY	347365-101S 347365-201S	1	
31	AC PCB, ARRAY, AC IN	347363-101S	1	
32	INSULATOR, SOUNDBAR, AC PCB	345497-0010	1	
33	TWEETER, SOUNDBAR	328045-0010	1	
34	SCRIM, LED PCB, SOUNDBAR	345650-0010	1	
35	CONNECTOR BACK-UP, 1SR CONNECTOR BACK-UP, LS 135	328839-0010 328839-0020	1	
36	CAP, BUTTON, SOUNDBAR, BLK	328843-0010	1	
37	BEZEL, ADAPTIQ, BLK, 3.5 MM JACK	328844-0010	1	
38	BASE, SOUNDBAR, BLK	328032-0010	1	
39	SCREW, TAPP, 8-11x.75, PAN, XRC/SQ	289388-012	16	
40	FOOT, FOAM	323386-0001	5	
-	HARNESS, 2POS, 220mm, PHASE GUIDE	330670-0220		
-	ADAPTIQ DOOR, 1SR	329649-0010	1	

**Note 7.** When replacing the DSP PCB in a CineMate® 1 SR, set the country variant. Refer to the procedures on page 76



**Figure 1. Main Assembly Exploded View**

# CineMate® 1SR Sound Bar DSP PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R201	13.3K, 0603, .1W, 1%	191465-1332	
R202	330 OHMS, 0603, .1W, 5%	199403-331	
R203	330 OHMS, 0603, .1W, 5%	199403-331	
R204	100 OHM, 0603, .1W, 5%	199403-101	
R205	100 OHM, 0603, .1W, 5%	199403-101	
R206	100 OHM, 0603, .1W, 5%	199403-101	
R207	330 OHMS, 0603, .1W, 5%	199403-331	
R208	330 OHMS, 0603, .1W, 5%	199403-331	
R209	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R210	200 OHMS, 0603, .1W, 5%	199403-201	
R211	330 OHMS, 0603, .1W, 5%	199403-331	
R212	330 OHMS, 0603, .1W, 5%	199403-331	
R213	330 OHMS, 0603, .1W, 5%	199403-331	
R214	4.75K, 0603, .1W, 1%	191465-4751	
R301	20K, 0603, .1W, 1%	191465-2002	
R302	10K, 0603, .1W, 5%	199403-103	
R303	10K, 0603, .1W, 5%	199403-103	
R304	10K, 0603, .1W, 5%	199403-103	
R305	10K, 0603, .1W, 5%	199403-103	
R306	20K, 0603, .1W, 1%	191465-2002	
R307	100K, 0603, .1W, 1%	191465-1003	
R308	100K, 0603, .1W, 1%	191465-1003	
R309	100K, 0603, .1W, 1%	191465-1003	
R310	2.0K, 0603, .1W, 5%	199403-202	
R311	2.0K, 0603, .1W, 5%	199403-202	
R312	4.75K, 0603, .1W, 1%	191465-4751	
R313	4.75K, 0603, .1W, 1%	191465-4751	
R314	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R315	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R316	1.00K, 0402, 63MW, 1%	268361-1001	
R317	1.00K, 0402, 63MW, 1%	268361-1001	
R318	1.00K, 0402, 63MW, 1%	268361-1001	
R319	1.00K, 0402, 63MW, 1%	268361-1001	
R320	100 OHM, 0402, 63MW, 1%	268361-1000	
R321	1.00K, 0402, 63MW, 1%	268361-1001	
R322	1.00K, 0402, 63MW, 1%	268361-1001	
R401	200 OHMS, 0603, .1W, 5%	199403-201	
R402	200 OHMS, 0603, .1W, 5%	199403-201	
R403	200 OHMS, 0603, .1W, 5%	199403-201	
R404	200 OHMS, 0603, .1W, 5%	199403-201	
R405	200 OHMS, 0603, .1W, 5%	199403-201	
R406	2.74K, 0603, .1W, 1%	191465-2741	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R501	10K, 0603, .1W, 5%	199403-103	
R502	10K, 0603, .1W, 1%	191465-1002	
R503	10K, 0603, .1W, 1%	191465-1002	
R504	10K, 0603, .1W, 5%	199403-103	
R506	100 OHM, 0603, .1W, 5%	199403-101	
R507	10K, 0603, .1W, 1%	191465-1002	
R508	10K, 0603, .1W, 5%	199403-103	
R509	10K, 0603, .1W, 5%	199403-103	
R510	2.0K, 0603, .1W, 5%	199403-202	
R511	100 OHM, 0603, .1W, 5%	199403-101	
R512	RES, 0603, .1W, 5%, 2.0K	199403-202	
R513	10K, 0603, .1W, 5%	199403-103	
R514	RES, 0603, .1W, 5%, 1K	199403-102	
R515	100 OHM, 0603, .1W, 5%,	199403-101	
R516	100 OHM, 0603, .1W, 5%,	199403-101	
R517	10K, 0603, .1W, 5%	199403-103	
R601	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R701	1K, 0603, .1W, 1%	191465-1001	
R702	1K, 0603, .1W, 1%	191465-1001	
R703	1K, 0603, .1W, 1%	191465-1001	
R704	1K, 0603, .1W, 1%	191465-1001	
R705	4.99K, 0603, .1W, 1%	191465-4991	
R706	4.99K, 0603, .1W, 1%	191465-4991	
R707	4.99K, 0603, .1W, 1%	191465-4991	
R708	4.99K, 0603, .1W, 1%	191465-4991	
R709	4.99K, 0603, .1W, 1%	191465-4991	
R710	4.99K, 0603, .1W, 1%	191465-4991	
R711	4.99K, 0603, .1W, 1%	191465-4991	
R712	4.99K, 0603, .1W, 1%	191465-4991	
R713	100 OHM, 0603, .1W, 1%	191465-1000	
R714	100 OHM, 0603, .1W, 1%	191465-1000	
R715	100 OHM, 0603, .1W, 1%	191465-1000	
R716	100 OHM, 0603, .1W, 1%	191465-1000	
R717	1K, 0603, .1W, 1%	191465-1001	
R718	1K, 0603, .1W, 1%	191465-1001	
R719	1K, 0603, .1W, 1%	191465-1001	
R720	1K, 0603, .1W, 1%	191465-1001	
R721	4.99K, 0603, .1W, 1%	191465-4991	
R722	4.99K, 0603, .1W, 1%	191465-4991	
R723	4.99K, 0603, .1W, 1%	191465-4991	
R724	4.99K, 0603, .1W, 1%	191465-4991	
R725	4.99K, 0603, .1W, 1%	191465-4991	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R726	4.99K, 0603, .1W, 1%	191465-4991	
R727	4.99K, 0603, .1W, 1%	191465-4991	
R728	4.99K, 0603, .1W, 1%	191465-4991	
R729	100 OHM, 0603, .1W, 1%	191465-1000	
R730	100 OHM, 0603, .1W, 1%	191465-1000	
R731	100 OHM, 0603, .1W, 1%	191465-1000	
R732	100 OHM, 0603, .1W, 1%	191465-1000	
R801	10K, 0603, .1W, 5%	199403-103	
R802	10K, 0603, .1W, 5%	199403-103	
R804	4.75K, 0603, .1W, 1%	191465-4751	
R806	30.1K, 0603, .1W, 1%	191465-3012	
R810	RES, 0603, .1W, 5%, 2.0K	199403-202	
R811	10K, 0603, .1W, 5%	199403-103	
R812	2.0K, 0603, .1W, 5%	199403-202	
R814	2.0K, 0603, .1W, 5%	199403-202	
R816	4.75K, 0603, .1W, 1%	191465-4751	
R817	10K, 0603, .1W, 1%	191465-1002	
R819	10K, 0603, .1W, 1%	191465-1002	
R821	100K, 0603, .1W, 1%	191465-1003	
R822	18.2K, 0603, .1W, 1%	191465-1822	
R1001	0 OHM, JUMPER, 0402	280043	
R1002	0 OHM, JUMPER, 0402	280043	
R1003	0 OHM, JUMPER, 0402	280043	
R1005	0 OHM, JUMPER, 0402	280043	
R1006	0 OHM, JUMPER, 0402	280043	
R1007	2.74K, 0603, .1W, 1%	191465-2741	
R1008	0 OHM, JUMPER, 0402	280043	
R1009	0 OHM, JUMPER, 0402	280043	
R1010	0 OHM, JUMPER, 0402	280043	
R1011	0 OHM, JUMPER, 0402	280043	
R1012	0 OHM, JUMPER, 0402	280043	
R1013	2.74K, 0603, .1W, 1%	191465-2741	
R1014	2.74K, 0603, .1W, 1%	191465-2741	
R1015	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R1016	0 OHM, JUMPER, 0402	280043	
R1017	0 OHM, JUMPER, 0402	280043	
R1018	56.2K, 0603, .1W, 1%	191465-5622	
R1019	0 OHM, JUMPER, 0402	280043	
R1021	100K, 0402, 63MW, 1%	268361-1003	
R1022	100 OHM, 0402, 63MW, 1%	268361-1000	
R1023	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R1024	2.74K, 0603, .1W, 1%	191465-2741	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R1025	2.74K, 0603, .1W, 1%	191465-2741	
R1026	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R1027	100 OHM, 0402, 63MW, 1%	268361-1000	
R1028	2.74K, 0603, .1W, 1%	191465-2741	
R1029	2.74K, 0603, .1W, 1%	191465-2741	
R1030	100 OHM, 0402, 63MW, 1%	268361-1000	
R1101	4.32K, 0402, 63MW, 1%	268361-4321	
R1103	0 OHM, JUMPER, 0402	280043	
R1104	4.32K, 0402, 63MW, 1%	268361-4321	
R1107	100 OHM, 0402, 63MW, 1%	268361-1000	
R1108	100 OHM, 0402, 63MW, 1%	268361-1000	
R1109	10K, ARRAY, SMT, 4 POS, 5%	186433-1034	
R1110	20.5K, 0402, 63MW, 1%	268361-2052	
R1111	6.04K, 0402, 63MW, 1%	268361-6041	
R1112	2.87k, 0402, 63MW, 1%	268361-2871	
R1113	75 OHM, 0402, 63MW, 1%	268361-75R0	
R1114	130 OHM, 0402, 63mw, 1%	268361-130R	
R1115	75 OHM, 0402, 63MW, 1%	268361-75R0	
R1203	270 OHMS, 0603, .1W, 5%	199403-271	
R1201	1K, 0603, .1W, 5%	199403-102	
R1202	49.9K, 0603, .1W, 1%	191465-4992	
R1203	10K, 0603, .1W, 1%	191465-1002	
R1204	RES, 0603, .1W, 5%, 1K	199403-102	
R1206	1K, 0603, .1W, 5%	199403-102	
R1207	1K, 0603, .1W, 5%	199403-102	
R1211	2.0K, 0603, .1W, 5%	199403-202	
R1212	10K, 0603, .1W, 1%	191465-1002	
R1213	100 OHM, 0603, .1W, 1%	191465-1000	
R1214	1K, 0603, .1W, 5%	199403-102	
R1215	10K, 0603, .1W, 1%	191465-1002	
R1216	10K, 0603, .1W, 1%	191465-1002	
R1301	130K, 0603, 100MW, 1%	191465-1303	
R1302	100 OHM, 0603, .1W, 5%	199403-101	
R1303	100K, 0603, .1W, 5%	199403-104	
R1304	1K, 0603, .1W, 5%	199403-102	
R1306	100K, 0603, .1W, 1%	191465-1003	
R1307	60.4K, 0603, .1W, 1%	191465-6042	
R1308	30.1K, 0603, .1W, 1%	191465-3012	
R1309	13.3K, 0603, .1W, 1%	191465-1332	
R1310	130K, 0603, 100MW, 1%	191465-1303	
R1311	2K, 0603, .1W, 1%	191465-2001	
R1312	2K, 0603, .1W, 1%	191465-2001	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R1313	100K, 0603, .1W, 1%	191465-1003	
R1314	100K, 0603, .1W, 1%	191465-1003	
R1315	10 OHM, 0603, .1W, 5%	199403-100	
R1316	10 OHM, 0603, .1W, 5%	199403-100	
R1317	2.0K, 0603, .1W, 5%	199403-202	
R1318	1K, 0603, .1W, 5%	199403-102	
R1319	1K, 0603, .1W, 5%	199403-102	
R1320	2.0K, 0603, .1W, 5%	199403-202	
R1321	.1 OHM, SMD, 0603, 1%	311644-R100	
R1322	.1 OHM, SMD, 0603, 1%	311644-R100	

## Capacitors

Reference Designator	Description	Material Number	Note
C201	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C202	68pF, C0G, 0603, 50V, 5%	188454-680	
C203	10uF, EL, 85C, 20%, 16V	177902-100C	
C204	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C205	.01uF, 0603, X7R, 50V	191470-103	
C206	.01uF, 0603, X7R, 50V	191470-103	
C207	.01uF, 0603, X7R, 50V	191470-103	
C208	10pF, COG, 0402, 5%, 50V	268364-100	
C209	68pF, C0G, 0603, 50V, 5%	188454-680	
C210	68pF, C0G, 0603, 50V, 5%	188454-680	
C211	.01uF, 0603, X7R, 50V	191470-103	
C212	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C213	180pF, C0G, 0603, 50V, 5%	188454-181	
C214	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C215	.01uF, 0603, X7R, 50V	191470-103	
C216	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C217	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C301	10uF, EL, 85C, 20%, 16V	177902-100C	
C302	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C303	180pF, 0805, COG, 50V, 5%	133622-181	
C304	180pF, 0805, COG, 50V, 5%	133622-181	
C305	1uF, X7R, 0805 16v, 10%	273596-105	
C306	1uF, X7R, 0805, 16v, 10%	273596-105	
C307	1uF, X7R, 0805 16v, 10%	273596-105	
C308	10uF, EL, 85C, 20%, 16V	177902-100C	
C309	10uF, EL, 85C, 20%, 16V	177902-100C	
C310	10uF, EL, 85C, 20%, 16V	177902-100C	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C311	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C312	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C313	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C314	18pF, COG, 0402, 5%, 50V	268364-180	
C315	18pF, COG, 0402, 5%, 50V	268364-180	
C316	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C317	18pF, COG, 0402, 5%, 50V	268364-180	
C318	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C319	18pF, COG, 0402, 5%, 50V	268364-180	
C320	18pF, COG, 0402, 5%, 50V	268364-180	
C321	18pF, COG, 0402, 5%, 50V	268364-180	
C322	18pF, COG, 0402, 5%, 50V	268364-180	
C323	18pF, COG, 0402, 5%, 50V	268364-180	
C326	18pF, COG, 0402, 5%, 50V	268364-180	
C401	180pF, C0G, 0603, 50V, 5%	188454-181	
C402	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C403	180pF, C0G, 0603, 50V, 5%	188454-181	
C404	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C405	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C406	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C407	180pF, C0G, 0603, 50V, 5%	188454-181	
C408	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C409	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C410	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C411	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C412	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C413	180pF, C0G, 0603, 50V, 5%	188454-181	
C414	180pF, C0G, 0603, 50V, 5%	188454-181	
C415	180pF, C0G, 0603, 50V, 5%	188454-181	
C416	180pF, C0G, 0603, 50V, 5%	188454-181	
C501	180pF, C0G, 0603, 50V, 5%	188454-181	
C502	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C503	1000pF, 0603, X7R, 50V	191470-102	
C504	180pF, C0G, 0603, 50V, 5%	188454-181	
C505	180pF, C0G, 0603, 50V, 5%	188454-181	
C506	180pF, C0G, 0603, 50V, 5%	188454-181	
C601	10uF, EL, 85C, 20%, 16V	177902-100C	
C602	1uF, X7R, 0805, 16v, 10%	273596-105	
C603	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C604	1uF, X7R, 0805, 16v, 10%	273596-105	
C605	10uF, EL, 85C, 20%, 16V	177902-100C	
C606	10uF, EL, 85C, 20%, 16V	177902-100C	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C607	10uF, EL, 85C, 20%, 16V	177902-100C	
C608	1uF, X7R, 0805, 16v, 10%	273596-105	
C701	3300pF, C0G, 0603, 50V, 5%	188454-332	
C702	3300pF, C0G, 0603, 50V, 5%	188454-332	
C703	3300pF, C0G, 0603, 50V, 5%	188454-332	
C704	3300pF, C0G, 0603, 50V, 5%	188454-332	
C705	470pF, C0G, 0603, 50V, 5%	188454-471	
C706	470pF, C0G, 0603, 50V, 5%	188454-471	
C707	470pF, C0G, 0603, 50V, 5%	188454-471	
C708	1500pF, C0G, 0603, 50V, 5%	188454-152	
C709	1500pF, C0G, 0603, 50V, 5%	188454-152	
C710	1500pF, C0G, 0603, 50V, 5%	188454-152	
C711	470pF, C0G, 0603, 50V, 5%	188454-471	
C712	1500pF, C0G, 0603, 50V, 5%	188454-152	
C713	3300pF, C0G, 0603, 50V, 5%	188454-332	
C714	3300pF, C0G, 0603, 50V, 5%	188454-332	
C715	3300pF, C0G, 0603, 50V, 5%	188454-332	
C716	3300pF, C0G, 0603, 50V, 5%	188454-332	
C717	470pF, C0G, 0603, 50V, 5%	188454-471	
C718	470pF, C0G, 0603, 50V, 5%	188454-471	
C719	470pF, C0G, 0603, 50V, 5%	188454-471	
C720	470pF, C0G, 0603, 50V, 5%	188454-471	
C721	1500pF, C0G, 0603, 50V, 5%	188454-152	
C722	1500pF, C0G, 0603, 50V, 5%	188454-152	
C723	1500pF, C0G, 0603, 50V, 5%	188454-152	
C724	1500pF, C0G, 0603, 50V, 5%	188454-152	
C725	18pF, COG, 0402, 5%, 50V	268364-180	
C726	18pF, COG, 0402, 5%, 50V	268364-180	
C727	18pF, COG, 0402, 5%, 50V	268364-180	
C728	18pF, COG, 0402, 5%, 50V	268364-180	
C729	18pF, COG, 0402, 5%, 50V	268364-180	
C730	18pF, COG, 0402, 5%, 50V	268364-180	
C731	18pF, COG, 0402, 5%, 50V	268364-180	
C732	18pF, COG, 0402, 5%, 50V	268364-180	
C733	18pF, COG, 0402, 5%, 50V	268364-180	
C734	18pF, COG, 0402, 5%, 50V	268364-180	
C735	18pF, COG, 0402, 5%, 50V	268364-180	
C736	18pF, COG, 0402, 5%, 50V	268364-180	
C737	18pF, COG, 0402, 5%, 50V	268364-180	
C738	18pF, COG, 0402, 5%, 50V	268364-180	
C739	18pF, COG, 0402, 5%, 50V	268364-180	
C740	18pF, COG, 0402, 5%, 50V	268364-180	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C741	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C742	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C743	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C744	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C802	180pF, C0G, 0603, 50V, 5%	188454-181	
C804	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C807	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C808	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C1001	1.0uF, X5R, 0402, 6.3V, 10%	313771-105J	
C1002	100pF, COG, 0402, 5%, 50V	268364-101	
C1003	100pF, COG, 0402, 5%, 50V	268364-101	
C1004	100nF, X7R, 0402, 16V, 5%	296732-104	
C1005	100pF, COG, 0402, 5%, 50V	268364-101	
C1006	100nF, X7R, 0402, 16V, 5%	296732-104	
C1007	1.0uF, X5R, 0402, 6.3V, 10%	313771-105J	
C1008	100nF, X7R, 0402, 16V, 5%	296732-104	
C1009	100pF, COG, 0402, 5%, 50V	268364-101	
C1010	100pF, COG, 0402, 5%, 50V	268364-101	
C1011	100pF, COG, 0402, 5%, 50V	268364-101	
C1012	100pF, COG, 0402, 5%, 50V	268364-101	
C1013	100nF, X7R, 0402, 16V, 5%	296732-104	
C1014	100nF, X7R, 0402, 16V, 5%	296732-104	
C1015	100pF, COG, 0402, 5%, 50V	268364-101	
C1016	22pF, C0G, 0402, 50V, +/-0.25pF	317398-220CH	
C1017	100nF, X7R, 0402, 16V, 5%	296732-104	
C1018	100pF, C0G, 0603, 50V, 5%	188454-101	
C1019	22pF, C0G, 0402, 50V, +/-0.25pF	317398-220CH	
C1020	22pF, COG, 0402, 50V, 5%	268364-220	
C1021	10pF, COG, 0402, 5%, 50V	268364-100	
C1022	1.2pF, COG, 0402, , +/-0.1pF, 50V	317398-1R2BH	
C1023	100nF, X7R, 0402, 16V, 5%	296732-104	
C1024	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C1025	100pF, COG, 0402, 5%, 50V	268364-101	
C1026	100pF, COG, 0402, 5%, 50V	268364-101	
C1027	100nF, X7R, 0402, 16V, 5%	296732-104	
C1028	100nF, X7R, 0402, 16V, 5%	296732-104	
C1029	10pF, COG, 0402, 5%, 50V	268364-100	
C1030	100pF, COG, 0402, 5%, 50V	268364-101	
C1031	100nF, X7R, 0402, 16V, 5%	296732-104	
C1032	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C1033	100pF, C0G, 0603, 50V, 5%	188454-101	
C1103	1.0nF, X7R, 0402, 25V, 5%	268367-102	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1104	1.2pF, COG, 0402, , +/-0.1pF, 50V	317398-1R2BH	
C1105	1.0nF, X7R, 0402, 25V, 5%	268367-102	
C1106	6.2pF, COG, 0402, +/-0.25pF, 50V	317398-6R2CH	
C1107	18pF, COG, 0402, 5%, 50V	268364-180	
C1109	18pF, COG, 0402, 5%, 50V	268364-180	
C1110	1.0nF, X7R, 0402, 25V, 5%	268367-102	
C1111	22pF, COG, 0402, 50V, 5%	268364-220	
C1112	100pF, COG, 0402, 5%, 50V	268364-101	
C1113	100pF, COG, 0402, 5%, 50V	268364-101	
C1114	22pF, COG, 0402, 50V, 5%	268364-220	
C1115	22pF, COG, 0402, 50V, 5%	268364-220	
C1117	22pF, COG, 0402, 50V, 5%	268364-220	
C1118	22pF, COG, 0402, 50V, 5%	268364-220	
C1119	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C1120	100nF, X7R, 0402, 16V, 5%	296732-104	
C1121	COG, 0402, 1.8pF, +/-0.1pF, 50V	317398-1R8BH	
C1201	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1202	10uF, EL, 85C, 20%, 16V	177902-100C	
C1203	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1204	10uF, EL, 85C, 20%, 16V	177902-100C	
C1206	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1301	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1302	100pF, C0G, 0603, 50V, 5%	188454-101	
C1303	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1305	470pF, 0603, X7R, 50V	191470-471	
C1306	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	
C1307	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1308	3300pF, 0603, X7R, 50V	191470-332	
C1309	68pF, C0G, 0603, 50V, 5%	188454-680	
C1310	68pF, C0G, 0603, 50V, 5%	188454-680	
C1311	3300pF, 0603, X7R, 50V	191470-332	
C1312	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1313	680pF, 0603, X7R, 50V	191470-681	
C1314	680pF, 0603, X7R, 50V	191470-681	
C1315	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1318	3300pF, 0603, X7R, 50V	191470-332	
C1319	100pF, C0G, 0603, 50V, 5%	188454-101	
C1320	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1321	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1322	3300pF, 0603, X7R, 50V	191470-332	
C1323	3300pF, 0603, X7R, 50V	191470-332	
C1324	47uF, EL, SMD, 105, 35V, 20%	306169-470VF	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1325	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C1326	47uF, EL, SMD, 105, 35V, 20%	306169-470VF	
C1327	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C1328	22uF, EL, 85C, 20%, 16V	177902-220C	
C1329	100uF, CER, 1206, X5R, 6.3V	291432-107	
C1330	1uF, X7R, 0805, 16v, 10%	273596-105	
C1331	0.1uF, X7R, 0603, 10%, 50V	191470-104	
C1332	22uF, EL, 85C, 20%, 16V	177902-220C	
C1333	1uF, X7R, 0805, 16v, 10%	273596-105	
C1334	220uF, EL., SMD, 105, 35V, 20%	306245-221EF	
C1335	.01uF, 0603, X7R, 50V	191470-103	

## Diodes

Reference Designator	Description	Material Number	Note
D301	SOT-23, BAV 99	147239	
D302	SOT-23, BAV 99	147239	
D801	SOT-23, BAV 99	147239	
D802	SOT-23, BAV 99	147239	
D803	SOT-23, BAV 99	147239	
D1301	SWITCHING, 75V, 200mA	148582	
D1302	SCHOTTKY, 40V, 3A, SMB	193847-001	
D1303	SCHOTTKY, 40V, 3A, SMB	193847-001	

## Transistor

Reference Designator	Description	Material Number	Note
Q301	P, SOT, 2.2K, 2SA1521	180789	
Q302	P, SOT, 2.2K, 2SA1521	180789	
Q303	P, SOT, 2.2K, 2SA1521	180789	
Q801	BPLR, N, 50V, 100mA, SOT23	146817	
Q802	BPLR, N, 50V, 100mA, SOT23	146817	
Q803	BPLR, N, 40V, 200mA, SOT23	146819	
Q804	BPLR, P, 40V, 200mA, SOT23	148596	
Q805	BPLR, P, 40V, 200mA, SOT23	148596	
Q1201	BPLR, N, 40V, 200mA, SOT23	146819	
Q1202	BPLR, N, 50V, 100mA, SOT23	146817	
Q1203	BPLR, P, 40V, 200mA, SOT23	148596	
Q1301	BPLR, N, 50V, 100mA, SOT23	146817	
Q1302	MFET, P, 40V, 3.0A, SOT-23	303215-001	

# CineMate® 1SR Sound Bar DSP PCB Part List

Transistors (continued)

Reference Designator	Description	Material Number	Note
Q1303	MFET, P, 40V, 3.0A, SOT-23	303215-001	
Q1304	MFET, P, 40V, 3.0A, SOT-23	303215-001	

Integrated Circuits

Reference Designator	Description	Material Number	Note
U201	S/PDIF, RCVR, AK4112B	270223	
U301	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U302	VREG, LDO, 100mA, SOT-23,	283384-5001	
U303	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U304	A/D CONV, 96KHz, 24BIT, AK5381	299343-001	
U402	uC, SHARC, ADSP-21366, BGA	287375-001	
U502	RESET, 2.93VT, SOT23, DBV	289604-033	
U503	FLASH, PRGM, 128Mb, HERSEY, US/JP/AP	344422-1105	
	FLASH, PRGM, 128Mb, HERSEY, EU/UK	344423-1105	
U601	DAC, 8-CH, 24 bit, PCM1681	326869-0010	
U701	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U702	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U703	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U704	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U801	COMPARATOR, DUAL, SOIC, LMV393	319516-001	
U1001	RF, TRANSCVR, 2.4GHz, QFN40, CC8520	326252-0040	
U1002	INVERTER, SMD	266582-001	
U1003	D FF, Dual, 74lx74, TSSOP	307487-001	
U1101	RF FRONT END, 2.4GHz, 14dBm, QFN16	328615-0010	
U1102	VOLTAGE COMPARATOR, LM339	187618-001	
U1201	uC, FLASH, 8-BIT, 8-P, SOIC, I-TEMP	NA	
U1202	3D CLICK SENSOR, 3.6VDD	329424-0010	
U1301	VREG, LDO, 100mA, SOT-23,	283384-5001	
U1302	PWM, V, CNTRLLR, TPS40200	303218-001	
U1303	PWM, V, CNTRLLR, TPS40200	303218-001	

Inductors

Reference Designator	Description	Material Number	Note
L1101	2.2nH, MLC, 0402, +/-0.3nH	318511-2R2S	
L1102	3.9nH, MLC, 0402, +/-0.3nH	318511-3R9S	
L1103	1.5nH, MLC, 0402, +/-0.3nH	318511-1R5S	
L1301	0.72A, 33uH, +/-20%, SMT	290997-330T	
L1302	0.22A, 560uH +/-20%, SMT	289382-561T	

# CineMate® 1SR Sound Bar DSP PCB Part List

## Ferrite Bead

Reference Designator	Description	Material Number	Note
FB1001	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB1002	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB1301	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB201	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB202	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB401	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB402	600 OHM, FERRITE BEAD, CHIP, 0603	259925-601	
FB601	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	

## Miscellaneous

Reference Designator	Description	Material Number	Note
FL1101	FILTER, B-PASS, 2450.00 MHz	317139-001	
J1101	CONN., RECEPTACLE, , COAX, SMT	326749-0010	
J1103	SHIELD, PCB FENCE, 1.732 x 1.201	319871-103	
J1103-BOT	SHIELD, PCB , COVER, 1.732 x 1.201	319871-102	
J201	CONN., SMT, LIF, 15 POS., SIDE	255130-015	
J202	CONN, FFC, 9POS, 1mm, 0.5A, 50V, BLACK	253356-T09	
J301	CONN., 3.5MM, JACK HEADPHONE, W/INT SW	329831-0010	
J401	CONN, HEADER, INLINE, PCB MNT, 2P	133220-02	
J402	CONN., 25P, NON_ZIF, FPC, 0.5mm PITCH, SMT	329678-0025	
RN1201	10K, ARRAY , SMT, 4 POS, 5%	186433-1034	
S501	SWITCH, TACT, SPST, 50mA, 12V, HORIZ	190719-001	
SHLD401	SHIELD, FENCE	269853-002	
SHLD-401-BOT	SHIELD, COVER, BOTTOM	273478-002	
SHLD401-TOP	SHIELD, COVER, TOP	281527-002	
SW1101	0.5W, LO-V, S-BAND , SWITCH	317133-001	
VR1301	VOLT REG, SMD, POS, SOT89, 3.3V	258167-33	
W1101	0 OHM, JUMPER, 0402	280043	
W1102	JUMPER, 0402, 0 OHM	280043	
W1103	0 OHM, JUMPER, 0402	280043	
W1302	JUMPER, CHIP, 0603	196042	
W1303	JUMPER, CHIP, 0603	196042	
W1304	JUMPER, CHIP, 0603	196042	
W301	JUMPER, CHIP, 0603	196042	
W401	JUMPER, CHIP, 0603	196042	
X1001	CRYSTAL, FUND., 48MHz, +/-13ppm, SX-2520	291429-020	
ZR1201	ZENER, 5.1V, 80OHMS, VDM2	307428-5R1	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R209	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R210	200 OHMS, 0603, .1W, 5%	199403-201	
R211	330 OHMS, 0603, .1W, 5%	199403-331	
R401	200 OHMS, 0603, .1W, 5%	199403-201	
R402	200 OHMS, 0603, .1W, 5%	199403-201	
R403	200 OHMS, 0603, .1W, 5%	199403-201	
R404	200 OHMS, 0603, .1W, 5%	199403-201	
R405	200 OHMS, 0603, .1W, 5%	199403-201	
R406	2.74K, 0603, .1W, 1%	191465-2741	
R501	10K, 0603, .1W, 5%	199403-103	
R502	10K, 0603, .1W, 1%	191465-1002	
R503	10K, 0603, .1W, 1%	191465-1002	
R504	10K, 0603, .1W, 5%	199403-103	
R506	100 OHM, 0603, .1W, 5%	199403-101	
R507	10K, 0603, .1W, 1%	191465-1002	
R508	10K, 0603, .1W, 5%	199403-103	
R510	2.0K, 0603, .1W, 5%	199403-202	
R511	100 OHM, 0603, .1W, 5%	199403-101	
R513	10K, 0603, .1W, 5%	199403-103	
R514	1K, 0603, .1W, 5%	199403-102	
R515	100 OHM, 0603, .1W, 5%	199403-101	
R516	100 OHM, 0603, .1W, 5%	199403-101	
R517	10K, 0603, .1W, 5%	199403-103	
R601	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R701	1K, 0603, .1W, 1%	191465-1001	
R702	1K, 0603, .1W, 1%	191465-1001	
R703	1K, 0603, .1W, 1%	191465-1001	
R704	1K, 0603, .1W, 1%	191465-1001	
R705	4.99K, 0603, .1W, 1%	191465-4991	
R706	4.99K, 0603, .1W, 1%	191465-4991	
R707	4.99K, 0603, .1W, 1%	191465-4991	
R708	4.99K, 0603, .1W, 1%	191465-4991	
R709	4.99K, 0603, .1W, 1%	191465-4991	
R710	4.99K, 0603, .1W, 1%	191465-4991	
R711	4.99K, 0603, .1W, 1%	191465-4991	
R712	4.99K, 0603, .1W, 1%	191465-4991	
R713	100 OHM, 0603, .1W, 1%	191465-1000	
R714	100 OHM, 0603, .1W, 1%	191465-1000	
R715	100 OHM, 0603, .1W, 1%	191465-1000	
R716	100 OHM, 0603, .1W, 1%	191465-1000	
R717	1K, 0603, .1W, 1%	191465-1001	
R718	1K, 0603, .1W, 1%	191465-1001	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Resistors (Continued)

Reference Designator	Description	Material Number	Note
R719	1K, 0603, .1W, 1%	191465-1001	
R720	1K, 0603, .1W, 1%	191465-1001	
R721	4.99K, 0603, .1W, 1%	191465-4991	
R722	4.99K, 0603, .1W, 1%	191465-4991	
R723	4.99K, 0603, .1W, 1%	191465-4991	
R724	4.99K, 0603, .1W, 1%	191465-4991	
R725	4.99K, 0603, .1W, 1%	191465-4991	
R726	4.99K, 0603, .1W, 1%	191465-4991	
R727	4.99K, 0603, .1W, 1%	191465-4991	
R728	4.99K, 0603, .1W, 1%	191465-4991	
R729	100 OHM, 0603, .1W, 1%	191465-1000	
R730	100 OHM, 0603, .1W, 1%	191465-1000	
R731	100 OHM, 0603, .1W, 1%	191465-1000	
R732	100 OHM, 0603, .1W, 1%	191465-1000	
R801	10K, 0603, .1W, 5%	199403-103	
R802	10K, 0603, .1W, 5%	199403-103	
R804	4.75K, 0603, .1W, 1%	191465-4751	
R806	30.1K, 0603, .1W, 1%	191465-3012	
R810	2.0K, 0603, .1W, 5%	199403-202	
R811	10K, 0603, .1W, 5%	199403-103	
R812	2.0K, 0603, .1W, 5%	199403-202	
R814	2.0K, 0603, .1W, 5%	199403-202	
R816	4.75K, 0603, .1W, 1%	191465-4751	
R817	10K, 0603, .1W, 1%	191465-1002	
R818	2.0K, 0603, .1W, 5%	199403-202	
R819	10K, 0603, .1W, 1%	191465-1002	
R820	1K, 0603, .1W, 5%	199403-102	
R821	100K, 0603, .1W, 1%	191465-1003	
R822	18.2K, 0603, .1W, 1%	191465-1822	
R1001	jumper, 0402, 0 OHM	280043	
R1002	jumper, 0402, 0 OHM	280043	
R1003	jumper, 0402, 0 OHM	280043	
R1005	jumper, 0402, 0 OHM	280043	
R1006	jumper, 0402, 0 OHM	280043	
R1007	2.74K, 0603, .1W, 1%	191465-2741	
R1008	jumper, 0402, 0 OHM	280043	
R1009	jumper, 0402, 0 OHM	280043	
R1010	jumper, 0402, 0 OHM	280043	
R1011	jumper, 0402, 0 OHM	280043	
R1012	jumper, 0402, 0 OHM	280043	
R1013	2.74K, 0603, .1W, 1%	191465-2741	
R1014	2.74K, 0603, .1W, 1%	191465-2741	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Resistors (Continued)

Reference Designator	Description	Material Number	Note
R1015	10.0OHM, 0402, 63MW, 1%	268361-10R0	
R1016	jumper, 0402, 0 OHM	280043	
R1017	jumper, 0402, 0 OHM	280043	
R1018	56.2K, 0603, .1W, 1%	191465-5622	
R1019	jumper, 0402, 0 OHM	280043	
R1021	100K, 0402, 63MW, 1%	268361-1003	
R1022	100 OHM, 0402, 63MW, 1%	268361-1000	
R1023	10.0OHM, 0402, 63MW, 1%	268361-10R0	
R1024	2.74K, 0603, .1W, 1%	191465-2741	
R1025	2.74K, 0603, .1W, 1%	191465-2741	
R1026	10.0OHM, 0402, 63MW, 1%	268361-10R0	
R1027	100 OHM, 0402, 63MW, 1%	268361-1000	
R1028	2.74K, 0603, .1W, 1%	191465-2741	
R1029	2.74K, 0603, .1W, 1%	191465-2741	
R1030	100 OHM, 0402, 63MW, 1%	268361-1000	
R1101	4.32K, 0402, 63MW, 1%	268361-4321	
R1103	jumper, 0402, 0 OHM	280043	
R1104	4.32K, 0402, 63MW, 1%	268361-4321	
R1107	100 OHM, 0402, 63MW, 1%	268361-1000	
R1108	100 OHM, 0402, 63MW, 1%	268361-1000	
R1109	10K, ARRAY, SMT, 4 POS, 5%	186433-1034	
R1110	20.5K, 0402, 63MW, 1%	268361-2052	
R1111	6.04K, 0402, 63MW, 1%	268361-6041	
R1112	2.87k, 0402, 63MW, 1%	268361-2871	
R1113	75 OHM, 0402, 63MW, 1%	268361-75R0	
R1114	130ohm, 0402, 63mw, 1%	268361-130R	
R1115	75 OHM, 0402, 63MW, 1%	268361-75R0	
R1123	270 OHMS, 0603, .1W, 5%	199403-271	
R1202	49.9K, 0603, .1W, 1%	191465-4992	
R1203	10K, 0603, .1W, 1%	191465-1002	
R1205	10K, 0603, .1W, 1%	191465-1002	
R1207	1K, 0603, .1W, 5%	199403-102	
R1210	3.32K, 0603, .1W, 1%	191465-3321	
R1211	2.0K, 0603, .1W, 5%	199403-202	
R1213	100 OHM, 0603, .1W, 1%	191465-1000	
R1215	10K, 0603, .1W, 1%	191465-1002	
R1301	130K, 0603, 100MW, 1%	191465-1303	
R1302	100 OHM, 0603, .1W, 5%	199403-101	
R1303	100K, 0603, .1W, 5%	199403-104	
R1304	1K, 0603, .1W, 5%	199403-102	
R1306	100K, 0603, .1W, 1%	191465-1003	
R1307	60.4K, 0603, .1W, 1%	191465-6042	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Resistors (Continued)

Reference Designator	Description	Material Number	Note
R1308	30.1K, 0603, .1W, 1%	191465-3012	
R1309	13.3K, 0603, .1W, 1%	191465-1332	
R1310	130K, 0603, 100MW, 1%	191465-1303	
R1311	2K, 0603, .1W, 1%	191465-2001	
R1312	2K, 0603, .1W, 1%	191465-2001	
R1313	100K, 0603, .1W, 1%	191465-1003	
R1314	100K, 0603, .1W, 1%	191465-1003	
R1315	10 OHM, 0603, .1W, 5%,	199403-100	
R1316	10 OHM, 0603, .1W, 5%,	199403-100	
R1317	2.0K, 0603, .1W, 5%	199403-202	
R1318	1K, 0603, .1W, 5%	199403-102	
R1319	1K, 0603, .1W, 5%	199403-102	
R1320	2.0K, 0603, .1W, 5%	199403-202	
R1321	.1 Ohm, SMD, 0603, 1%	311644-R100	
R1322	.1 Ohm, SMD, 0603, 1%	311644-R100	

## Capacitors

Reference Designator	Description	Material Number	Note
C205	.01uF, 0603, X7R, 50V	191470-103	
C206	.01uF, 0603, X7R, 50V	191470-103	
C207	.01uF, 0603, X7R, 50V	191470-103	
C208	10pF, COG, 0402, 5%, 50V	268364-100	
C211	.01uF, 0603, X7R, 50V	191470-103	
C212	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C213	180pF, C0G, 0603, 50V, 5%	188454-181	
C214	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C215	.01uF, 0603, X7R, 50V	191470-103	
C314	18pF, COG, 0402, 5%, 50V	268364-180	
C326	18pF, COG, 0402, 5%, 50V	268364-180	
C401	180pF, C0G, 0603, 50V, 5%	188454-181	
C402	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C403	180pF, C0G, 0603, 50V, 5%	188454-181	
C404	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C405	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C406	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C407	180pF, C0G, 0603, 50V, 5%	188454-181	
C408	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C409	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C410	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C411	33000pF, X7R SMD, 0603, 25V	257154-333K25	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Capacitors (Continued)

Reference Designator	Description	Material Number	Note
C412	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C413	180pF, C0G, 0603, 50V, 5%	188454-181	
C414	180pF, C0G, 0603, 50V, 5%	188454-181	
C415	180pF, C0G, 0603, 50V, 5%	188454-181	
C416	180pF, C0G, 0603, 50V, 5%	188454-181	
C502	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C503	1000pF, 0603, X7R, 50V	191470-102	
C504	180pF, C0G, 0603, 50V, 5%	188454-181	
C505	180pF, C0G, 0603, 50V, 5%	188454-181	
C506	180pF, C0G, 0603, 50V, 5%	188454-181	
C601	10uF, EL, 85C, 20%, 16V	177902-100C	
C602	1uf, X7R, 0805, 16v, 10%	273596-105	
C603	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C604	1uf, X7R, 0805, 16v, 10%	273596-105	
C605	10uF, EL, 85C, 20%, 16V	177902-100C	
C606	10uF, EL, 85C, 20%, 16V	177902-100C	
C607	10uF, EL, 85C, 20%, 16V	177902-100C	
C608	1uf, X7R, 0805, 16v, 10%	273596-105	
C701	3300pF, C0G, 0603, 50V, 5%	188454-332	
C702	3300pF, C0G, 0603, 50V, 5%	188454-332	
C703	3300pF, C0G, 0603, 50V, 5%	188454-332	
C704	3300pF, C0G, 0603, 50V, 5%	188454-332	
C705	470pF, C0G, 0603, 50V, 5%	188454-471	
C706	470pF, C0G, 0603, 50V, 5%	188454-471	
C707	470pF, C0G, 0603, 50V, 5%	188454-471	
C708	1500pF, C0G, 0603, 50V, 5%	188454-152	
C709	1500pF, C0G, 0603, 50V, 5%	188454-152	
C710	1500pF, C0G, 0603, 50V, 5%	188454-152	
C711	470pF, C0G, 0603, 50V, 5%	188454-471	
C712	1500pF, C0G, 0603, 50V, 5%	188454-152	
C713	3300pF, C0G, 0603, 50V, 5%	188454-332	
C714	3300pF, C0G, 0603, 50V, 5%	188454-332	
C715	3300pF, C0G, 0603, 50V, 5%	188454-332	
C716	3300pF, C0G, 0603, 50V, 5%	188454-332	
C717	470pF, C0G, 0603, 50V, 5%	188454-471	
C718	470pF, C0G, 0603, 50V, 5%	188454-471	
C719	470pF, C0G, 0603, 50V, 5%	188454-471	
C720	470pF, C0G, 0603, 50V, 5%	188454-471	
C721	1500pF, C0G, 0603, 50V, 5%	188454-152	
C722	1500pF, C0G, 0603, 50V, 5%	188454-152	
C723	1500pF, C0G, 0603, 50V, 5%	188454-152	
C724	1500pF, C0G, 0603, 50V, 5%	188454-152	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Capacitors (Continued)

Reference Designator	Description	Material Number	Note
C725	18pF, COG, 0402, 5%, 50V	268364-180	
C726	18pF, COG, 0402, 5%, 50V	268364-180	
C727	18pF, COG, 0402, 5%, 50V	268364-180	
C728	18pF, COG, 0402, 5%, 50V	268364-180	
C729	18pF, COG, 0402, 5%, 50V	268364-180	
C730	18pF, COG, 0402, 5%, 50V	268364-180	
C731	18pF, COG, 0402, 5%, 50V	268364-180	
C732	18pF, COG, 0402, 5%, 50V	268364-180	
C733	18pF, COG, 0402, 5%, 50V	268364-180	
C734	18pF, COG, 0402, 5%, 50V	268364-180	
C735	18pF, COG, 0402, 5%, 50V	268364-180	
C736	18pF, COG, 0402, 5%, 50V	268364-180	
C737	18pF, COG, 0402, 5%, 50V	268364-180	
C738	18pF, COG, 0402, 5%, 50V	268364-180	
C739	18pF, COG, 0402, 5%, 50V	268364-180	
C740	18pF, COG, 0402, 5%, 50V	268364-180	
C741	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C742	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C743	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C744	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C802	180pF, C0G, 0603, 50V, 5%	188454-181	
C804	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C807	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C808	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C1001	1.0uF, X5R, 0402, , 6.3V, 10%	313771-105J	
C1002	100pF, COG, 0402, 5%, 50V	268364-101	
C1003	100pF, COG, 0402, 5%, 50V	268364-101	
C1004	100nF, X7R, 0402, 16V, 5%	296732-104	
C1005	100pF, COG, 0402, 5%, 50V	268364-101	
C1006	100nF, X7R, 0402, 16V, 5%	296732-104	
C1007	1.0uF, X5R, 0402, , 6.3V, 10%	313771-105J	
C1008	100nF, X7R, 0402, 16V, 5%	296732-104	
C1009	100pF, COG, 0402, 5%, 50V	268364-101	
C1010	100pF, COG, 0402, 5%, 50V	268364-101	
C1011	100pF, COG, 0402, 5%, 50V	268364-101	
C1012	100pF, COG, 0402, 5%, 50V	268364-101	
C1013	100nF, X7R, 0402, 16V, 5%	296732-104	
C1014	100nF, X7R, 0402, 16V, 5%	296732-104	
C1015	100pF, COG, 0402, 5%, 50V	268364-101	
C1016	22pF, C0G, 0402, 50V, +/-0.25pF	317398-220CH	
C1017	100nF, X7R, 0402, 16V, 5%	296732-104	
C1018	100pF, C0G, 0603, 50V, 5%	188454-101	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Capacitors (Continued)

Reference Designator	Description	Material Number	Note
C1019	22pF, C0G, 0402, 50V, +/-0.25pF	317398-220CH	
C1020	22pF, COG, 0402, 50V, 5%	268364-220	
C1021	10pF, COG, 0402, 5%, 50V	268364-100	
C1022	1.2pF, +/-0.1pF, COG, 0402, 50V	317398-1R2BH	
C1023	100nF, X7R, 0402, 16V, 5%	296732-104	
C1024	0.1uF, X7R, 0603, 6.3V, 10%,	257154-104K06	
C1025	100pF, COG, 0402, 5%, 50V	268364-101	
C1026	100pF, COG, 0402, 5%, 50V	268364-101	
C1027	100nF, X7R, 0402, 16V, 5%	296732-104	
C1028	100nF, X7R, 0402, 16V, 5%	296732-104	
C1029	10pF, COG, 0402, 5%, 50V	268364-100	
C1030	100pF, COG, 0402, 5%, 50V	268364-101	
C1031	100nF, X7R, 0402, 16V, 5%	296732-104	
C1032	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C1033	100pF, C0G, 0603, 50V, 5%	188454-101	
C1103	1.0nF, X7R, 0402, 25V, 5%	268367-102	
C1104	1.2pF, +/-0.1pF, COG, 0402, 50V	317398-1R2BH	
C1105	1.0nF, X7R, 0402, 25V, 5%	268367-102	
C1106	6.2pF, +/-0.25pF, COG, 0402, 50V	317398-6R2CH	
C1107	18pF, COG, 0402, 5%, 50V	268364-180	
C1109	18pF, COG, 0402, 5%, 50V	268364-180	
C1110	1.0nF, X7R, 0402, 25V, 5%	268367-102	
C1111	22pF, COG, 0402, 50V, 5%	268364-220	
C1112	100pF, COG, 0402, 5%, 50V	268364-101	
C1113	100pF, COG, 0402, 5%, 50V	268364-101	
C1114	22pF, COG, 0402, 50V, 5%	268364-220	
C1115	22pF, COG, 0402, 50V, 5%	268364-220	
C1117	22pF, COG, 0402, 50V, 5%	268364-220	
C1118	22pF, COG, 0402, 50V, 5%	268364-220	
C1119	0.1uF, X7R, 0603, 6.3V, 10%,	257154-104K06	
C1120	100nF, X7R, 0402, 16V, 5%	296732-104	
C1121	1.8pF, +/-0.1pF, 0402, 50V	317398-1R8BH	
C1203	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1204	10uF, EL, 85C, 20%, 16V	177902-100C	
C1205	33000pF, X7R SMD, 0603, 25V	257154-333K25	
C1301	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1302	100pF, C0G, 0603, 50V, 5%	188454-101	
C1303	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1305	470pF, 0603, X7R, 50V	191470-471	
C1306	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	
C1307	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1308	3300pF, 0603, X7R, 50V	191470-332	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Capacitors (Continued)

Reference Designator	Description	Material Number	Note
C1309	68pF, C0G, 0603, 50V, 5%	188454-680	
C1310	68pF, C0G, 0603, 50V, 5%	188454-680	
C1311	3300pF, 0603, X7R, 50V	191470-332	
C1312	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1313	680pF, 0603, X7R, 50V	191470-681	
C1314	680pF, 0603, X7R, 50V	191470-681	
C1315	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1318	3300pF, 0603, X7R, 50V	191470-332	
C1319	100pF, C0G, 0603, 50V, 5%	188454-101	
C1320	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1321	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1322	3300pF, 0603, X7R, 50V	191470-332	
C1323	3300pF, 0603, X7R, 50V	191470-332	
C1324	47uF, EL, SMD, 105, 35V, 20%	306169-470VF	
C1325	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1326	47uF, EL, SMD, 105, 35V, 20%	306169-470VF	
C1327	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1328	22uF, EL, 85C, 20%, 16V	177902-220C	
C1329	100uF, CER, 1206, X5R, 6.3V	291432-107	
C1330	1uf, X7R, 0805, 16v, 10%	273596-105	
C1331	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C1332	22uF, EL, 85C, 20%, 16V	177902-220C	
C1333	1uf, X7R, 0805, 16v, 10%	273596-105	
C1334	220uF, EL., SMD, 105, 35V, 20%	306245-221EF	
C1335	.01uF, 0603, X7R, 50V	191470-103	

## Diodes

Reference Designator	Description	Material Number	Note
D801	SOT-23, BAV 99	147239	
D802	SOT-23, BAV 99	147239	
D803	SOT-23, BAV 99	147239	
D1301	SWITCHING, 75V, 200mA	148582	
D1302	SCHOTTKY, 40V, 3A, SMB	193847-001	
D1303	SCHOTTKY, 40V, 3A, SMB	193847-001	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Transistors

Reference Designator	Description	Material Number	Note
Q801	BPLR, N, 50V, 100mA, SOT23	146817	
Q802	BPLR, N, 50V, 100mA, SOT23	146817	
Q803	XSBPLR, N, 40V, 200mA, SOT23	146819	
Q804	BPLR, P, 40V, 200mA, SOT23	148596	
Q805	BPLR, P, 40V, 200mA, SOT23	148596	
Q806	BPLR, N, 40V, 200mA, SOT23	146819	
Q1202	BPLR, N, 50V, 100mA, SOT23	146817	
Q1203	BPLR, P, 40V, 200mA, SOT23	148596	
Q1301	BPLR, N, 50V, 100mA, SOT23	146817	
Q1302	MFET, P, 40V, 3.0A, SOT-23	303215-001	
Q1303	MFET, P, 40V, 3.0A, SOT-23	303215-001	
Q1304	MFET, P, 40V, 3.0A, SOT-23	303215-001	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U402	uC, SHARC, ADSP-21366, BGA	287375-001	
U501	SERIAL, FLASH, 3.3V, 32Mbit, SO-8W	NA	
U502	RESET, 2.93VT, SOT23, DBV	289604-033	
U601	DAC, 8-CH, 24 bit, PCM1681	326869-0010	
U701	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U702	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U703	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U704	OPAMP, TS922, DUAL, R-T-R, ASD	289418-001	
U801	COMPARATOR, DUAL, SOIC, LMV393	319516-001	
U1001	RF, TRANSCVR, 2.4GHz, QFN40, CC8520	326252-0040	
U1002	INVERTER, SMD	266582-001	
U1003	D FF, Dual, 74lx74, TSSOP	307487-001	
U1101	RF FRONT END, 2.4GHz, 14dBm, QFN16	328615-0010	
U1102	VOLTAGE COMPARATOR, LM339	187618-001	
U1202	3D CLICK SENSOR, 3.6VDD	329424-0010	
U1301	IVREG, LDO, 100mA, SOT-23,	283384-5001	
U1302	PWM, V, CNTRLLR, TPS40200	303218-001	
U1303	IPWM, V, CNTRLLR, TPS40200	303218-001	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Inductors

Reference Designator	Description	Material Number	Note
L1101	MLC, 0402, 2.2nH, +/-0.3nH	318511-2R2S	
L1102	MLC, 0402, 3.9nH, +/-0.3nH	318511-3R9S	
L1103	MLC, 0402, 1.5nH, +/-0.3nH	318511-1R5S	
L1301	0.72A, 33uH, +/-20%, SMT	290997-330T	
L1302	0.22A, 560uH+/-20%, SMT	289382-561T	

## Ferrite Beads

Reference Designator	Description	Material Number	Note
FB201	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB202	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB401	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB402	FERRITE BEAD, CHIP, 0603, 600 OHM	259925-601	
FB601	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB1001	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB1002	FERRITEBD, IND0603, 200MA 330OHM	268373-331	
FB1301	FERRITEBD, IND0603, 200MA 330OHM	268373-331	

## Miscellaneous

Reference Designator	Description	Material Number	Note
FL1101	FILTER, B-PASS, 2450.00 MHz	317139-001	
J1101	CONN., RECEPTACLE, , COAX, SMT	326749-0010	
J1103	SHIELD, PCB FENCE, 1.732 x 1.201	319871-103	
J1103A	SHIELD, PCB FENCE, 1.732 x 1.201	319871-103	
J1103-BOT	SHIELD, PCB , COVER, 1.732 x 1.201	319871-102	
J201	CONN., SMT, LIF, 15 POS., SIDE	255130-015	
J202	CONN, FFC, 9POS, 1mm, 0.5A, 50V, BLACK	253356-T09	
J401	CONN, HEADER, INLINE, PCB MNT, 2P	133220-02	
J402	CONN., 25P, NON_ZIF, FPC, 0.5mm PITCH, SMT	329678-0025	
SHLD401-BOT	SHIELD, COVER, BOTTOM	273478-002	
SHLD401	SHIELD, FENCE	269853-002	
SHLD401-TOP	SHIELD, COVER, TOP	281527-002	
SW1101	0.5W, LO-V, S-BAND , SWITCH	317133-001	
VR1301	VOLT REG, SMD, POS, SOT89, 3.3V	258167-33	
W1101	jumper, 0402, 0 OHM	280043	
W1102	jumper, 0402, 0 OHM	280043	
W1103	jumper, 0402, 0 OHM	280043	

# Lifestyle® 135 Sound Bar DSP PCB Part List

## Miscellaneous

Reference Designator	Description	Material Number	Note
W1302	JUMPER, CHIP, 0603	196042	
W1303	JUMPER, CHIP, 0603	196042	
W1304	JUMPER, CHIP, 0603	196042	
W201	JUMPER, CHIP, 0603	196042	
W301	JUMPER, CHIP, 0603	196042	
W401	JUMPER, CHIP, 0603	196042	
W501	JUMPER, CHIP, 0603	196042	
W801	JUMPER, CHIP, 0603	196042	
X1001	CRYSTAL, FUND., 48MHz, +/-13ppm, SX-2520	291429-020	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R1501	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1504	10 OHM, 0603, .1W, 5%	199403-100	
R1505	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1509	100K, 0603, .1W, 1%	191465-1003	
R1510	10 OHM, 0805, .125W, 1%	133625-10R0	
R1511	10 OHM, 0805, .125W, 1%	133625-10R0	
R1512	10 OHM, 0805, .125W, 1%	133625-10R0	
R1513	10 OHM, 0805, .125W, 1%	133625-10R0	
R1514	33 OHMS, 0603, .1W, 5%	199403-330	
R1515	33 OHMS, 0603, .1W, 5%	199403-330	
R1516	3.01K, 0603, .1W, 1%	191465-3011	
R1517	3.01K, 0603, .1W, 1%	191465-3011	
R1518	3.01K, 0603, .1W, 1%	191465-3011	
R1519	3.01K, 0603, .1W, 1%	191465-3011	
R1520	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1521	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1522	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1523	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1601	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1604	10 OHM, 0603, .1W, 5%	199403-100	
R1605	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1609	100K, 0603, .1W, 1%	191465-1003	
R1610	10 OHM, 0805, .125W, 1%	133625-10R0	
R1611	10 OHM, 0805, .125W, 1%	133625-10R0	
R1612	10 OHM, 0805, .125W, 1%	133625-10R0	
R1613	10 OHM, 0805, .125W, 1%	133625-10R0	
R1614	33 OHMS, 0603, .1W, 5%	199403-330	
R1615	33 OHMS, 0603, .1W, 5%	199403-330	
R1616	3.01K, 0603, .1W, 1%	191465-3011	
R1617	3.01K, 0603, .1W, 1%	191465-3011	
R1618	3.01K, 0603, .1W, 1%	191465-3011	
R1619	3.01K, 0603, .1W, 1%	191465-3011	
R1620	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1621	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1622	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1623	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1701	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1704	10 OHM, 0603, .1W, 5%	199403-100	
R1705	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1709	100K, 0603, .1W, 1%	191465-1003	
R1710	10 OHM, 0805, .125W, 1%	133625-10R0	
R1711	10 OHM, 0805, .125W, 1%	133625-10R0	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R1712	10 OHM, 0805, .125W, 1%	133625-10R0	
R1713	10 OHM, 0805, .125W, 1%	133625-10R0	
R1714	33 OHMS, 0603, .1W, 5%	199403-330	
R1715	33 OHMS, 0603, .1W, 5%	199403-330	
R1716	3.01K, 0603, .1W, 1%	191465-3011	
R1717	3.01K, 0603, .1W, 1%	191465-3011	
R1718	3.01K, 0603, .1W, 1%	191465-3011	
R1719	3.01K, 0603, .1W, 1%	191465-3011	
R1720	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1721	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1722	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1723	499K, 0603, 100MW, 1%, SMD	191465-4993	
R1801	10K, THERMISTOR, 5%, 0805	197229	

## Capacitors

Reference Designator	Description	Material Number	Note
C1501	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1502	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1503	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1504	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1505	10uF, EL., SMD, 105, 35V, 20%	306245-100EB	
C1506	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1507	.01uF, 0603, X7R, 50V	191470-103	
C1508	1.0 uF, 1206, X7R, 25V	262063-105	
C1509	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1510	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1511	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1512	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1513	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1514	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1515	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1516	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1517	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1518	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1519	1.0 uF, 1206, X7R, 25V	262063-105	
C1520	1.0 uF, 1206, X7R, 25V	262063-105	
C1521	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1522	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1526	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1527	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1529	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1530	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1531	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1532	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1533	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1534	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1535	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1536	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1537	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1538	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1601	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1602	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1603	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1604	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1605	10uF, EL., SMD, 105, 35V, 20%	306245-100EB	
C1606	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1607	.01uF, 0603, X7R, 50V	191470-103	
C1608	1.0 uF, 1206, X7R, 25V	262063-105	
C1609	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1610	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1611	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1612	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1613	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1614	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1615	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1616	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1617	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1618	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1619	1.0 uF, 1206, X7R, 25V	262063-105	
C1620	1.0 uF, 1206, X7R, 25V	262063-105	
C1621	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1622	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1626	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1627	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1629	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1630	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1631	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1632	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1633	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1634	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1635	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1636	0.1uF, 0805, X7R, 50V, 10%	286499-104	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1637	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1638	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1701	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1702	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1703	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1704	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1705	10uF, EL., SMD, 105, 35V, 20%	306245-100EB	
C1706	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1707	.01uF, 0603, X7R, 50V	191470-103	
C1708	1.0 uF, 1206, X7R, 25V	262063-105	
C1709	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1710	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1711	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1712	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1713	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1714	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1715	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1716	470pF, X7R, 0603, 200V, 10%	317820-471K	
C1717	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1718	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1719	1.0 uF, 1206, X7R, 25V	262063-105	
C1720	1.0 uF, 1206, X7R, 25V	262063-105	
C1721	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1722	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1726	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1727	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1729	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1730	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1731	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1732	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1733	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1734	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1735	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1736	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1737	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1738	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1801	3300pF, 0603, X7R, 50V	191470-332	
C1802	3300pF, 0603, X7R, 50V	191470-332	
C1803	3300pF, 0603, X7R, 50V	191470-332	
C1804	3300pF, 0603, X7R, 50V	191470-332	
C1805	3300pF, 0603, X7R, 50V	191470-332	
C1806	3300pF, 0603, X7R, 50V	191470-332	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1807	3300pF, 0603, X7R, 50V	191470-332	
C1808	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1809	3300pF, 0603, X7R, 50V	191470-332	
C1810	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1811	3300pF, 0603, X7R, 50V	191470-332	
C1814	3300pF, 0603, X7R, 50V	191470-332	
C1815	3300pF, 0603, X7R, 50V	191470-332	
C1819	100pF, 0603, COG, 50V, 5%	188454-101	

## Diodes

Reference Designator	Description	Material Number	Note
D1801	SOT-23, BAV 70	147249	
D1802	SOT-23, BAV 70	147249	
D1803	SOT-23, BAV 99	147239	
ZR1801	5.1V, 225MW, 5%, SOT-23	135247-5231	

## Transistors

Reference Designator	Description	Material Number	Note
Q1801	BPLR, N, 50V, 100mA, SOT23	146817	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U1501	PWR-AMP, Class D, 20W	298092-001	
U1601	PWR-AMP, Class D, 20W	298092-001	
U1701	PWR-AMP, Class D, 20W	298092-001	

## Inductors

Reference Designator	Description	Material Number	Note
L1501	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1501A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1502	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1502A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1601	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1601A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1602	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AMP PCB Part List

## Inductors (continued)

Reference Designator	Description	Material Number	Note
L1602A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1701	CORE,FERRITE,ERF17,160nH/N^2	314442-160	
L1701A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L1702	CORE,FERRITE,ERF17,160nH/N^2	314442-160	
L1702A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	

## Miscellanies

Reference Designator	Description	Material Number	Note
J1501	CONN, HDR, 2POS, 2.5mm, FEMALE, IVORY	283142-010002	
J1502	CONN, W_BOSS, 2.5MM, 4-P, TOP-ENT, IVORY	283142-010104	
J1701	CONN, HDR, 6-P, 2.5MM, TOP-ENT, W/BOSS, IVORY	283142-010106	
J1801	CONN., 21P, NON_ZIF, FPC, 0.5mm PITCH, SMT	329678-0021	
J1802	CONN., 25P, NON_ZIF, FPC, 0.5mm PITCH, SMT	329678-0025	
J1803	CONN, HEADER, RTANG, 2 POS, MALE	134290-02	
SHLD1801	SHIELD, FENCE, 90.4X61.4X10	330108-0010	
SHLD1801-TOP	SHIELD, COVER, STEPPED HEIGHT	342940-0010	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2001	100K, 0603, .1W, 1%	191465-1003	
R2002	1 MEG, 1206, 1/4W, 5%	124895-1055	
R2003	1 MEG, 1206, 1/4W, 5%	124895-1055	
R2004	1 MEG, 1206, 1/4W, 5%	124895-1055	
R2005	75.0K, 1206, 1/4W, 1%	124894-7502	
R2006	75.0K, 1206, 1/4W, 1%	124894-7502	
R2007	75.0K, 1206, 1/4W, 1%	124894-7502	
R2008	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R2009	10K, 0603, .1W, 1%	191465-1002	
R2010	3.01K, 0603, .1W, 1%	191465-3011	
R2011	53.6K, 0603, .1W, 1%	191465-5362	
R2012	60.4K, 0603, .1W, 1%	191465-6042	
R2013	10 OHM, 0603, .1W, 5%	199403-100	
R2014	10K, 0603, .1W, 1%	191465-1002	
R2015	1K, 0603, .1W, 1%	191465-1001	
R2017	4.7K, 0603, .1W, 5%	199403-472	
R2018	20 OHMS, 0603, .1W, 5%	199403-200	
R2019	47K, 0603, .1W, 1%	191465-4702	
R2020	47K, 0603, .1W, 1%	191465-4702	
R2021	100 OHM, 0603, .1W, 5%	199403-101	
R2022	0.075 OHM, 1210, 500mW, 5%	318356-750J	
R2101	470 OHM, 1206, 1/4W, 5%	124895-4715	
R2103	470 OHM, 1206, 1/4W, 5%	124895-4715	
R2104	470 OHM, 1206, 1/4W, 5%	124895-4715	
R2105	2.49K, 0603, .1W, 1%	191465-2491	
R2106	10K, 0603, .1W, 1%	191465-1002	
R2107	4.22K, 0603, .1W, 1%	191465-4221	
R2108	102K, 0603, .1W, 1%	191465-1023	
R2109	20K, 0603, .1W, 1%	191465-2002	
R2110	11.8K, 0603, .1W, 1%	191465-1182	
R2111	470 OHM, 1206, 1/4W, 5%	124895-4715	
R2112	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R2114	200 OHMS, 0603, .1W, 5%	199403-201	
R2115	510 OHMS, 0603, .1W, 5%	199403-511	
R2116	4.7K, 0603, .1W, 5%	199403-472	
R2117	5.6K, 0603, .1W, 1%	191465-5601	
R2118	470 OHM, 1206, 1/4W, 5%	124895-4715	
R2119	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R2122	100 OHM, 0603, .1W, 5%	199403-101	
R2201	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R2202	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R2204	10 OHM, 0603, .1W, 5%	199403-100	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R2209	100K, 0603, .1W, 1%	191465-1003	
R2210	10 OHM, 0805, .125W, 1%	133625-10R0	
R2211	10 OHM, 0805, .125W, 1%	133625-10R0	
R2212	10 OHM, 0805, .125W, 1%	133625-10R0	
R2213	10 OHM, 0805, .125W, 1%	133625-10R0	
R2214	33 OHMS, 0603, .1W, 5%	199403-330	
R2215	33 OHMS, 0603, .1W, 5%	199403-330	
R2216	3.01K, 0603, .1W, 1%	191465-3011	
R2217	3.01K, 0603, .1W, 1%	191465-3011	
R2218	3.01K, 0603, .1W, 1%	191465-3011	
R2219	3.01K, 0603, .1W, 1%	191465-3011	
R2220	499K, 0603, 100MW, 1%, SMD	191465-4993	
R2221	499K, 0603, 100MW, 1%, SMD	191465-4993	
R2222	499K, 0603, 100MW, 1%, SMD	191465-4993	
R2223	499K, 0603, 100MW, 1%, SMD	191465-4993	
R2301	10K, THERMISTOR, 5%, 0805	197229	
R2302	113K, 0603, .1W, 1%	191465-1133	
R2303	10K, 0603, .1W, 1%	191465-1002	
R2304	113K, 0603, .1W, 1%	191465-1133	
R2305	3.01K, 0603, .1W, 1%	191465-3011	
R2306	20K, 0603, .1W, 1%	191465-2002	
R2307	1K, 0603, .1W, 1%	191465-1001	
R2308	200 OHMS, 0603, .1W, 5%	199403-201	

## Capacitors

Reference Designator	Description	Material Number	Note
C2001	100uF, EL., SMD, 105, 35V, 20%	306245-101EE	
C2002	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C2003	1uF, X7R, 0805, 16v, 10%	273596-105	
C2004	33pF, CER, RADIAL,	269857-330	
C2005	33pF, CER, RADIAL,	269857-330	
C2006	100pF, 0603, COG, 50V, 5%	188454-101	
C2008	470pF, CER, Y1, 250VAC, 10MM	310461-471KB	
C2009	470pF, CER, Y1, 250VAC, 10MM	310461-471KB	
C2011	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2013	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C2014	1uF, FILM, X2, 275VAC, 10MM	268166-104A	
C2015	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C2016	1uF, X7R, 0805, 16v, 10%	273596-105	
C2017	100pF, 0603, COG, 50V, 5%	188454-101	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C2018	470pF, CER, Y1, 250VAC, 10MM	310461-471KB	
C2019	100uF, EL, 105C, 20%, 450V	310510-101WBB	
C2020	0.33uF, FILM, X2, 305VAC, 15MM	310415-334ME	
C2021	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C2022	0.33uF, FILM, X2, 305VAC, 15MM	323773-0030	
C2023	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C2024	470pF, CER, Y1, 250VAC, 10MM	310461-471KB	
C2026	0.33uF, FILM, X2, 305VAC, 15MM	323773-0030	
C2102	330pF, 0805, COG, 200V MIN, 5%	260668-331J	
C2103	1000uF, EL, 105C, 35V, 20%, 12.5 x 25mm	196991-102VP50	
C2104	1000uF, EL, 105C, 35V, 20%, 12.5 x 25mm	196991-102VP50	
C2105	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2106	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2107	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2108	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C2109	100pF, 0603, COG, 50V, 5%	188454-101	
C2110	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C2111	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2112	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2113	100pF, 0603, COG, 50V, 5%	188454-101	
C2114	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2115	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2201	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C2202	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C2203	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C2204	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C2205	10uF, EL., SMD, 105, 35V, 20	306245-100EB	
C2206	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2207	.01uF, 0603, X7R, 50V	191470-103	
C2208	1.0 uF, 1206, X7R, 25V	262063-105	
C2209	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C2210	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C2211	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C2212	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C2213	470pF, X7R, 0603, 200V, 10%	317820-471K	
C2214	470pF, X7R, 0603, 200V, 10%	317820-471K	
C2215	470pF, X7R, 0603, 200V, 10%	317820-471K	
C2216	470pF, X7R, 0603, 200V, 10%	317820-471K	
C2217	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2218	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2219	1.0 uF, 1206, X7R, 25V	262063-105	
C2220	1.0 uF, 1206, X7R, 25V	262063-105	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C2221	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2222	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2226	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C2227	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C2229	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2230	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2231	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2232	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C2233	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2234	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2235	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2236	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C2239	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2240	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2301	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2302	3300pF, 0603, X7R, 50V	191470-332	
C2303	3300pF, 0603, X7R, 50V	191470-332	
C2304	3300pF, 0603, X7R, 50V	191470-332	
C2306	3300pF, 0603, X7R, 50V	191470-332	
C2307	3300pF, 0603, X7R, 50V	191470-332	
C2309	3300pF, 0603, X7R, 50V	191470-332	
C2310	3300pF, 0603, X7R, 50V	191470-332	
C2311	3300pF, 0603, X7R, 50V	191470-332	
C2312	100pF, 0603, COG, 50V, 5%	188454-101	
C2313	100pF, 0603, COG, 50V, 5%	188454-101	
C2314	.47uF, 0805, X7R, 25V	181264-474	
C2315	.47uF, 0805, X7R, 25V	181264-474	
C2316	3300pF, 0805, X7R, 50V, 10%	286499-332	
C2317	1.0 uF, 1206, X7R, 25V	262063-105	
C2318	1.0 uF, 1206, X7R, 25V	262063-105	

## Diodes

Reference Designator	Description	Material Number	Note
BR2001	BRIDGE RECT, 3A, 600V	311102-0600	
D2001	SWITCHING, 75V, 200mA	148582	
D2002	RECT, FAST, 600V, 1A	317066-600	
D2003	SCHOTTKY, SC70, 30V, COM.CATH	268381-003	
D2004	SWITCHING, SOD123, 1N4148W	257662	
D2101	SCHOTTKY RECT., 5A, 170V, COMMON CATH	329305-0010	
D2102	SWITCHING, 75V, 200mA	148582	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Diodes (continued)

Reference Designator	Description	Material Number	Note
ZR2001	ZENER, 50OHMS, VDZ16B, SOD-723, 16V	307428-16	
ZR2002	TVS, UNI-DIR., 1500W, 130V, 200A, SMCJ130A	320498-1300	

## Transistors

Reference Designator	Description	Material Number	Note
Q2001	N, MFET, 2.5V, SOT-23	252043	
Q2002	N, MFET, 2.5V, SOT-23	252043	
Q2003	XSISTOR, PWR, NPN, 500V, 1.5A, TO-92AP	320835-002	
Q2004	FET, P-CHANNEL, BSS84	269693	
Q2005	BPLR, N, 40V, 200mA, SOT23	146819	
Q2006	MFET, N-CH, 600V	310519-001	
Q2007	MFET, N-CH, 600V	310519-001	
Q2008	N, MFET, 2.5V, SOT-23	252043	
Q2101	MOSFET, P-CH, 30V	298094-001	
Q2102	BPLR, N, 50V, 100mA, SOT23	146817	
Q2103	FET, P-CHANNEL, BSS84	269693	
Q2104	BPLR, N, 40V, 200mA, SOT23	146819	
Q2105	BPLR, P, 40V, 200mA, SOT23	148596	
Q2106	BPLR, P, 40V, 200mA, SOT23	148596	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U2001	PWM CONTROLLER, 80%DUTY CY	317119-001	
U2003	HALF-BRIDGE GATE DRIVER	317085-001	
U2101	OPTOCOUPLER, 1Mb, 15kV/uS, SFH6345, SMD8	343210-0010	
U2102	OPTO ISOLATOR, CNY17F-1X007	254120-002	
U2201	PWR-AMP, Class D, 20W	298092-001	
U2301	VOLTAGE COMPARATOR, LM339	187618-001	

## Inductors

Reference Designator	Description	Material Number	Note
L2001	INDUCTOR, CHOKE, 3.30mH, 1.2A, 250V	321518-001	
L2002	Fixed, 2.2uH	309310-2R2M	
L2003	Fixed, 2.2uH	309310-2R2M	
L2006	Fixed, 2.2uH	309310-2R2M	
L2007	Fixed, 2.2uH	309310-2R2M	

# CineMate® 1SR and Lifestyle® 135 Sound Bar Power Supply PCB Part List

## Inductors (continued)

Reference Designator	Description	Material Number	Note
L2201	PLANAR, 4-LAYER, 8T, ERF17-160	318999-160	
L2201A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	
L2202	PLANAR, 4-LAYER, 8T, ERF17-160	318999-160	
L2202A	CORE, FERRITE, ERF17, 160nH/N^2	314442-160	

## Miscellaneous

Reference Designator	Description	Material Number	Note
FB2301	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
HS2001	HEAT SINK, TO-252 (D-PAK)	310759-001	
HS2002	HEAT SINK, TO-252 (D-PAK)	310759-001	
HS2101	HEAT SINK, D2PAK	320438-001	
J2001	CONN, HEADER, LOCKING, TOP ENTRY	193369-002	
J2101	CONN, HEADER, INLINE, PCB MNT, 2P	133220-02	
J2201	CONN, HDR, 2POS, 2.5mm, FEMALE, IVORY	283142-010002	
J2202	CONN, HDR, 2POS, 2.5mm, FEMALE, BLUE	283142-010002E	
J2301	CONN., 21P, NON_ZIF, FPC, 0.5mm PITCH, SMT	329678-0021	
T2001	TRANSFORMER, PWR, EER BOBBIN, 40AWG	326842-0010	
VR2101	LIN REG, ADJ, SHUNT, TL431, 1%, SOT23-3	330361-1030	
W2001	JUMPER, CHIP, 0603	196042	
W2101	JUMPER, CHIP, 0603	196042	

# CineMate® 1SR Sound Bar I/O PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2601	10 OHM, 0603, .1W, 5%	199403-100	
R2602	470 OHMS, 0603, .1W, 5%	199403-471	
R2603	75 OHMS, 0603, .1W, 5%	199403-750	
R2604	75 OHMS, 0603, .1W, 5%	199403-750	
R2605	10 OHM, 0603, .1W, 5%	199403-100	
R2607	75 OHMS, 0603, .1W, 5%	199403-750	
R2608	75 OHMS, 0603, .1W, 5%	199403-750	
R2610	100K, 0603, .1W, 5%	199403-104	
R2611	100K, 0603, .1W, 5%	199403-104	
R2612	470 OHMS, 0603, .1W, 5%	199403-471	
R2614	100K, 0603, .1W, 5%	199403-104	
R2615	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R2616	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R2617	100K, 0603, .1W, 5%	199403-104	
R2618	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R2619	4.7 OHM, 0603, .1W, 5%	199403-4R7	
R2620	4.75K, 0603, .1W, 1%	191465-4751	
R2621	330 OHMS, 0603, .1W, 5%	199403-331	

## Capacitors

Reference Designator	Description	Material Number	Note
C2601	.047uF, 0603, X7R, 50V	191470-473	
C2602	100pF, C0G, 0603, 50V, 5%	188454-101	
C2603	100pF, C0G, 0603, 50V, 5%	188454-101	
C2604	10nF, 0603, X7R, 5%, 25V	196999-103	
C2606	10nF, 0603, X7R, 5%, 25V	196999-103	
C2607	10nF, 0603, X7R, 5%, 25V	196999-103	
C2608	.047uF, 0603, X7R, 50V	191470-473	
C2609	10nF, 0603, X7R, 5%, 25V	196999-103	
C2610	1000pF, 0603, X7R, 50V	191470-102	
C2611	1000pF, 0603, X7R, 50V	191470-102	
C2613	0.1uF, X7R, 0603, 10%, 50V	191470-104	

## Diodes

Reference Designator	Description	Material Number	Note
D2602	SOT-23, BAV 99	147239	
D2603	SOT-23, BAV 99	147239	

# Cinematic 1SR Sound Bar I/O PCB Part List

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U2601	INVERTER, DUAL, 50mA, 5V	280293-001	
U2602	INVERTER, DUAL, 50mA, 5V	280293-001	

## Miscellaneous

Reference Designator	Description	Material Number	Note
J2602	CONN., SMT, LIF, 15 POS., SIDE	255130-015	
J2603	CONN., RCA PIN JACK, 8.3mm DIA	329241-0010	
J2604	CONN., RCA PIN JACK, 8.3mm DIA	329241-0010	
J2605	CONN., OPTO-RECEIVER, 3.3V	328772-0010	
J2607	CONN., OPTO-RECEIVER, 3.3V	328772-0010	
J2609	CONN, RCA, 2POS, FEMALE, SIDE ENTRY	344409-0010	
J2610	CONN., RECEPTACLE, , COAX, SMT	326749-0010	
J2610-A	CABLE, SIGNAL, COAXIAL, 300mm, RG178, U.FL	330902-0010	
J2611	CONN., SMB-J, RECEPTACLE, R/A, 50 OHMS	328927-0010	
J2612	CONN, JACK, VERTICAL HEADPHONE	319454-030	
GND	CABLE, GROUP STRAP, 18AWG	343733-0010	

# Lifestyle® 135 Sound Bar I/O PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2606	51 OHM,0603,100MW,5%	199403-510	
R2609	20 OHM,0805,1/10W,5%	133626-2005	
R2613	100 OHM,0603,.1W,5%	199403-101	
R2620	4.75K,0603,.1W,1%	191465-4751	
R2621	330 OHMS,0603,.1W,5%	199403-331	
R2622	10 OHM,0603,.1W,5%	199403-100	
R2624	100 OHM,0603,.1W,5%	199403-101	
R2627	4.75K,0603,.1W,1%	191465-4751	
R2628	4.75K,0603,.1W,1%	191465-4751	
R2629	4.75K,0603,.1W,1%	191465-4751	
R2630	4.75K,0603,.1W,1%	191465-4751	

## Capacitors

Reference Designator	Description	Material Number	Note
C2605	180pF, 0805, COG, 50V, 5%	133622-181	
C2610	1000pF, 0603, X7R, 50V	191470-102	
C2611	1000pF, 0603, X7R, 50V	191470-102	
C2612	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2613	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C2614	68pF, C0G, 0603, 50V, 5%	188454-680	
C2615	68pF, C0G, 0603, 50V, 5%	188454-680	
C2616	10nF, 0603, X7R, 5%, 25V	196999-103	
C2617	10nF, 0603, X7R, 5%, 25V	196999-103	

## Diodes

Reference Designator	Description	Material Number	Note
D2601	SOT-23, BAV 99	147239	
ZR2601	ZEN, SOD-123, 6V, .5W, 5%	174265-5233	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U2603	Differential Line Rcvr, 400	288291-001	

# Lifestyle® 135 Sound Bar I/O PCB Part List

## Miscellaneous

Reference Designator	Description	Material Number	Note
FB2601	330 OHM, FERRITE, 0603	295947-331	
GND	CABLE, GROUP STRAP, 18AWG	343733-0010	
J2612	CONN, JACK, VERTICAL HEADPHONE	319454-030	
J2602	CONN., SMT, LIF, 15 POS., SIDE	255130-015	
J2606	CONN, DIN, 9-POS, SINGLE, SQ-KEY	301997-002	
J2610	CONN., RECEPTACLE, , COAX, SMT	326749-0010	
J2610A	CABLE, SIGNAL, COAXIAL, 300mm, RG178, U.FL	330902-0010	
J2611	CONN., SMB-J, RECEPTACLE, R/A, 50 OHMS	328927-0010	
L2601	Choke, Common mode , SMD	276389-001	

# Cinemate 1SR Sound Bar IR PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2501	330 OHM, 0603, .1W, 1%	191465-3300	
R2502	200 OHMS, 0603, .1W, 5%	199403-201	
R2503	200 OHMS, 0603, .1W, 5%	199403-201	
R2504	2.0K, 0603, .1W, 5%	199403-202	
R2505	100 OHM, 0603, .1W, 5%	199403-101	
R2506	2.74K, 0603, .1W, 1%,	191465-2741	
R2507	13.3K, 0603, .1W, 1%,	191465-1332	

## Resistors

Reference Designator	Description	Material Number	Note
C2501	.1uF, 0805, X7R, 10%, 25V	181264-104	
C2502	.1uF, 0805, X7R, 10%, 25V	181264-104	

## Diodes

Reference Designator	Description	Material Number	Note
DS2501	LED, WHITE, 5V, SMD	319349-001	
DS2502	LED, BI-COLOR, SMD	268315-001	
DS2503	LED, White, R angle	301111-001	
DS2504	LED, 5V, R ANGLE, SMT, 3X2mm, RED/GRN	347698-0010	

## Transistors

Reference Designator	Description	Material Number	Note
Q2501	BPLR, N, 50V, 100mA, SOT23	146817	
Q2502	P, SOT, 2.2K, 2SA1521	180789	
Q2503	P, SOT, 2.2K, 2SA1521	180789	
Q2504	BPLR, N, 4.7K, SOT23	192603	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U2501	SENSOR, IR, RCVR, 38kHz, MTH	319147-238	
U2502	SENSOR, IR, RCVR, 38kHz, MTH	319147-238	
U2504	SENSOR, IR, RCVR, 38kHz	319147-238	

## Miscellaneous

Reference Designator	Description	Material Number	Note
J2501	CONN., SMT, LIF, 9 POS., SIDE	255130-009	

# Lifestyle® 135 Sound Bar IR PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2502	200 OHMS, 0603, .1W, 5%	199403-201	
R2503	200 OHMS, 0603, .1W, 5%	199403-201	
R2504	2.0K, 0603, .1W, 5%,	199403-202	
R2506	2.74K, 0603, .1W, 1%	191465-2741	
R2507	13.3K, 0603, .1W, 1%	191465-1332	

## Capacitors

Reference Designator	Description	Material Number	Note
C2502	.1uF, 0805, X7R, 10%, 25V	181264-104	

## Diodes

Reference Designator	Description	Material Number	Note
DS2504	LED, 5V, R ANGLE, SMT, 3X2mm, RED/GRN	347698-0010	
DS2502	LED, BI-COLOR, SMD	268315-001	

## Transistors

Reference Designator	Description	Material Number	Note
Q2501	BPLR, N, 50V, 100mA, SOT23	146817	
Q2502	P, SOT, 2.2K, 2SA1521	180789	
Q2503	P, SOT, 2.2K, 2SA1521	180789	

## Connectors

Reference Designator	Description	Material Number	Note
J2501	CONN., SMT, LIF, 9 POS., SIDE	255130-009	

# CineMate® 1SR and Lifestyle® 135 Sound Bar AC Inlet PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R2401	340K, 1206, 1/4W, 1%	124894-3403	
R2402	340K, 1206, 1/4W, 1%	124894-3403	
R2403	340K, 1206, 1/4W, 1%	124894-3403	
R2404	340K, 1206, 1/4W, 1%	124894-3403	

## Capacitors

Reference Designator	Description	Material Number	Note
C2401	0.1uF, FILM, X2, 275VAC, 10MM	268166-104A	

## Inductors

Reference Designator	Description	Material Number	Note
L2401	CHOKE, 3.30mH, 1.2A, 250V	321518-001	
L2402	FIXED, RADIAL, 5mm LS, 670mA, 82uH	309310-820K	
L2403	FIXED, RADIAL, 5mm LS, 670mA, 82uH	309310-820K	

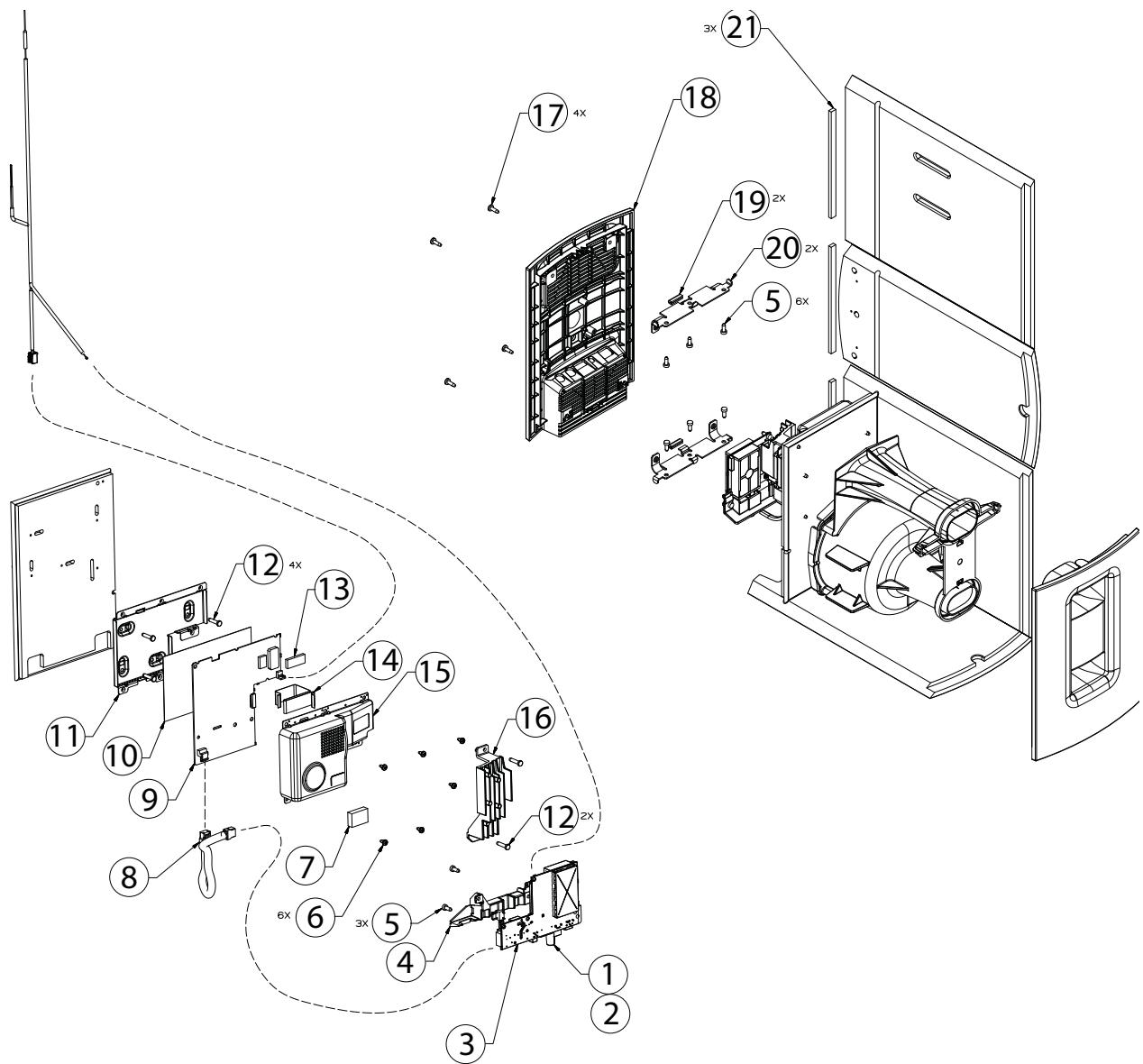
## Miscellaneous

Reference Designator	Description	Material Number	Note
F2401	FUSE, TIME LAG, 4A, 250V	310538-4000A	3 
J2401	AC CONN, SINGLE PIECE LEADS	301125-001	3 
J2401-A	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	
J2401-B	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	
J2402	CONN, HEADER, LOCKING, TOP ENTRY	193369-002	
VR2401	VARISTOR, MET OX, 275V, 75JOULE	170189	3 

# Cinematic 1SR and LS 135 Bass Module Main Part List

Item Number	Description	Material Number	Qty	Note
1	CONTROL KNOB, CINEMATE 1SR	329117-0010	1	
2	CLIP, SPRING, KNOB, CINEMATE 1SR	262542	1	
3	SLAB ASSY, CNMT 1SR, BASS MOD, IO CONT, SVCE	347351-104S or 347351-106S	1	
	SLAB ASSY, LS 135, BASS MOD, I/O CONT, SVCE	347351-204S or 347351-205S		⚠
4	INSULATOR, AC, POWER SUPPLY	342973-0010	1	3
5	SCREW, TAPP, 8-11x.437, PAN, XRC/S	289388-007	9	
6	SCREW, TAPP, 6-32, PAN, TORX, 5/16 IN	279948-05	6	
7	GASKET, EMI, FOAM	344813-0010	1	⚠
8	CABLE, AC POWER	352100-0010	1	3
9	PCB ASSY, CINEMATE 1SR, POWER AMP, SVCE	347348-101S	1	⚠
10	INSULATOR, PS BRACKET	331722-0010	1	3
11	BRACKET, POWER SUPPLY	329855-0010	1	
12	SCREW, TAPP, 8-11x.75, PAN, XRC/SQ	289388-012	6	⚠
13	PAD, THERMAL	311554-0010	1	3
14	CABLE ASSY, FFC, 17 POS, 200mm	345261-17200	1	3
15	SHIELD, POWER SUPPLY	329851-0010	1	
16	HEAT SINK, BASS MODULE	330480-0010	1	
17	SCREW, TT, 8-32X0.5, PAN, XREC/SQ	289393-008	4	
18	CINEMATE 1SR, REAR PANEL ENCL, BLK	329067-0010	1	
	LS 135, REAR PANEL ENCL, BLK	329067-0020	1	
19	FOAM, GRILLE, ARRAY	272036-001	2	
20	BRACKET, REAR PANEL	329161-0010	2	
21	GASKET, FOAM, D/C, PORT CAP	264859-001	3	

**Note:** The woofer and RF antennae are not accessible for replacement



**Note:** The woofer and RF antennae are not accessible for replacement

**Figure 2. CineMate® 1SR and Lifestyle® 135 Bass Module Exploded View**

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Resistors

Reference Designator	Description	Material Number	Note
R1001	100 OHM, 0603, .1W, 5%	199403-101	
R1002	47K, 0603, .1W, 5%	199403-473	
R1003	100 OHM, 0603, .1W, 5%	199403-101	
R1004	100 OHM, 0603, .1W, 5%	199403-101	
R1005	10K, 0603, .1W, 5%	199403-103	
R1006	499K, 0603, 100mW, 1%, SMD	191465-4993	
R1007	4.7 OHM, 1206, 1/4W, 5%	124895-4R75	
R1008	8.2kOHM, 0603, .1W, 5%	199403-822	
R1010	1K, 0603, .1W, 5%	199403-102	
R1011	1K, 0603, .1W, 5%	199403-102	
R1012	THERMISTOR, 10K, 5%, 0805	197229	
R1013	10 OHM, 0603, .1W, 5%	199403-100	
R1014	10 OHM, 0603, .1W, 5%	199403-100	
R1015	200K, 0603, .1W, 1%	191465-2003	
R1016	30.1K, 0603, .1W, 1%	191465-3012	
R1017	22 OHMS, 0603, .1W, 5%	199403-220	
R1018	200K, 0603, .1W, 1%	191465-2003	
R1019	30.1K, 0603, .1W, 1%	191465-3012	
R1101	100K, 0603, .1W, 1%	191465-1003	
R1102	1 MEG, 1206, 1/4W, 5%	124895-1055	
R1103	1 MEG, 1206, 1/4W, 5%	124895-1055	
R1104	1 MEG, 1206, 1/4W, 5%	124895-1055	
R1105	75.0K, 1206, 1/4W, 1%	124894-7502	
R1106	75.0K, 1206, 1/4W, 1%	124894-7502	
R1107	75.0K, 1206, 1/4W, 1%	124894-7502	
R1108	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R1110	3.01K, 0603, .1W, 1%	191465-3011	
R1111	53.6K, 0603, .1W, 1%	191465-5362	
R1112	10 OHM, 0603, .1W, 5%	199403-100	
R1113	60.4K, 0603, .1W, 1%	191465-6042	
R1115	1K, 0603, .1W, 1%	191465-1001	
R1116	10K, 0603, .1W, 1%	191465-1002	
R1118	4.7K, 0603, .1W, 5%	199403-472	
R1119	20 OHMS, 0603, .1W, 5%	199403-200	
R1120	47K, 0603, .1W, 1%	191465-4702	
R1121	47K, 0603, .1W, 1%	191465-4702	
R1122	100 OHM, 0603, .1W, 5%	199403-101	
R1123	0.075 OHM, 1210, 500mW, 5%	318356-750J	
R1124	10K, 0603, .1W, 1%	191465-1002	
R1125	THERMISTOR, 10K, 5%, 0805	197229	
R1201	510 OHMS, 0603, .1W, 5%	199403-511	
R1202	200 OHMS, 0603, .1W, 5%	199403-201	

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Resistors (continued)

Reference Designator	Description	Material Number	Note
R1203	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R1204	4.7K, 0603, .1W, 5%	199403-472	
R1205	JUMPER, CHIP, 0603	196042	
R1207	470 OHM, 1206, 1/4W, 5%	124895-4715	
R1208	100 OHM, 0603, .1W, 5%	199403-101	
R1209	470 OHM, 1206, 1/4W, 5%	124895-4715	
R1210	2.49K, 0603, .1W, 1%	191465-2491	
R1211	10K, 0603, .1W, 1%	191465-1002	
R1212	4.22K, 0603, .1W, 1%	191465-4221	
R1213	102K, 0603, .1W, 1%	191465-1023	
R1214	470 OHM, 1206, 1/4W, 5%	124895-4715	
R1215	20K, 0603, .1W, 1%	191465-2002	
R1216	470 OHM, 1206, 1/4W, 5%	124895-4715	
R1217	470 OHM, 1206, 1/4W, 5%	124895-4715	
R1219	100 K, ARRAY, SMT, 4 POS, 5%	186433-1044	
R1220	11.8K, 0603, .1W, 1%	191465-1182	
R1221	5.6KOHM, 0603, .1W, 1%	191465-5601	
R1301	340K, 1206, 1/4W, 1%	124894-3403	
R1302	340K, 1206, 1/4W, 1%	124894-3403	
R1303	340K, 1206, 1/4W, 1%	124894-3403	
R1304	340K, 1206, 1/4W, 1%	124894-3403	
R1305	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1306	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R1307	10K, 0603, .1W, 5%	199403-103	
R1308	100 OHM, 0402, 63MW, 1%	268361-1000	
R1309	100 OHM, 0402, 63MW, 1%	268361-1000	
R1310	100 OHM, 0402, 63MW, 1%	268361-1000	

## Capacitors

Reference Designator	Description	Material Number	Note
C1001	220pF, C0G, 0603, 50V, 5%	188454-221	
C1002	.01uF, 0603, X7R, 50V	191470-103	
C1003	CAP, X7R, 0603, 16V, 10%, 0.22uF	257154-224K16	
C1004	220pF, C0G, 0603, 50V, 5%	188454-221	
C1005	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1006	1.0uF, 1206, X7R, LD, 25V, 10%	306105-105	
C1007	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1008	47uF, EL, SMD, 105, 35V, 20%	306245-470EE	
C1009	100pF, C0G, 0603, 50V, 5%	188454-101	
C1010	47uF, EL, SMD, 105, 16V, 20%	306245-470CC	

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1011	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C1012	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1014	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1015	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1016	0.015uF, 0805, X7R, 50V, 10%	286499-153	
C1017	0.015uF, 0805, X7R, 50V, 10%	286499-153	
C1018	0.015uF, 0805, X7R, 50V, 10%	286499-153	
C1019	0.015uF, 0805, X7R, 50V, 10%	286499-153	
C1020	.22 uF, 0805, X7R, 10%, 25V	181264-224	
C1021	470pF, 0603, X7R, 50V	304991-471	
C1022	470pF, 0603, X7R, 50V	304991-471	
C1023	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1024	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C1025	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1026	1.0uF, 1206, X7R, 50V, 10%	286500-105	
C1027	1.0uF, X5R, 0402, 6.3V, 10%	313771-105J	
C1028	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1029	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1030	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C1031	220uF, EL, SMD, 105, 35V, 20%		
C1033	1.0uF, X5R, 0402, 6.3V, 10%	313771-105J	
C1034	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1101	100uF, EL., SMD, 105, 35V, 20%	306245-101EE	
C1102	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1103	1uF, X7R, 0805, 16v, 10%	273596-105	
C1104	100pF, C0G, 0603, 50V, 5%	188454-101	
C1105	0.33uF, FILM, X2, 305VAC, 15MM	310415-334ME	
C1106	470p, CER, Y1, 250VAC, F, 10MM	310461-471KB	
C1107	470p, CER, Y1, 250VAC, F, 10MM	310461-471KB	
C1109	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1110	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1112	0.33uF, FILM, X2, 305VAC, , 15MM	310415-334ME	
C1114	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1115	1uF, X7R, 0805, 16v, 10%	273596-105	
C1116	100pF, C0G, 0603, 50V, 5%	188454-101	
C1117	470p, CER, Y1, 250VAC, F, 10MM	310461-471KB	
C1118	100uF, EL, 105C, , 20%, 450V	310510-101WBB	
C1119	0.33uF, FILM, X2, 305VAC, , 15MM	310415-334ME	
C1120	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1121	0.1uF, FILM, X2, 275VAC, , 10MM	268166-104A	
C1122	0.1uF, X7R, 0603, 10%, 50V	304991-104	
C1123	470p, CER, Y1, 250VAC, F, 10MM	310461-471KB	

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C1201	100pF, C0G, 0603, 50V, 5%	188454-101	
C1202	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1203	100pF, C0G, 0603, 50V, 5%	188454-101	
C1204	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1206	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1207	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1208	0.1uF, x7r, 0603, 10%, , 50V	191470-104	
C1209	330pF, 0805, COG, 200V MIN, 5%	260668-331J	
C1210	1000uF, EL, 105C, 35V, 20%, 12.5 x 25mm	196991-102VP50	
C1211	1000uF, EL, 105C, 35V, 20%, 12.5 x 25mm	196991-102VP50	
C1212	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1214	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1302	33PF, CER, RADIAL	269857-330	
C1303	33PF, CER, RADIAL	269857-330	
C1306	3300pF, 0603, X7R, 50V	191470-332	
C1307	3300pF, 0603, X7R, 50V	191470-332	
C1308	3300pF, 0603, X7R, 50V	191470-332	
C1309	3300pF, 0603, X7R, 50V	191470-332	
C1310	3300pF, 0603, X7R, 50V	191470-332	
C1311	3300pF, 0603, X7R, 50V	191470-332	
C1312	3300pF, 0603, X7R, 50V	191470-332	
C1313	3300pF, 0603, X7R, 50V	191470-332	
C1314	3300pF, 0603, X7R, 50V	191470-332	
C1317	3300pF, 0805, X7R, 50V, 10%	286499-332	
C1318	470pF, 0603, X7R, 50V	304991-471	
C1319	470pF, 0603, X7R, 50V	304991-471	

## Diodes

Reference Designator	Description	Material Number	Note
BR1101	DIODE, Bridge RECT, 3A, 600V	311102-0600	
D1001	SWITCHING, 75V, 200mA	148582	
D1101	SWITCHING, 75V, 200mA	148582	
D1102	RECT, FAST, 600V, 1A	317066-600	
D1103	SCHOTTKY, SC70, 30V, COM.CATH	268381-003	
D1104	SWITCHING, SOD123, 1N4148W	257662	
D1201	SWITCHING, 75V, 200mA	148582	
D1202	SCHOTTKY RECT., 5A, 170V, COMMON CATH	329305-0010	
ZR1101	ZENER, 50OHMS, VDZ16B, SOD-723, 16V	307428-16	
ZR1102	TVS, UNI-DIR., 1500W, 130V, 200A, SMCJ130A	320498-1300	

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
Q1101	N, MFET, 2.5V, SOT-23	252043	
Q1102	N, MFET, 2.5V, SOT-23	252043	
Q1103	XSISTOR, PWR, NPN, 500V, 1.5A, TO-92AP	320835-002	
Q1104	FET, P-CHANNEL, BSS84	269693	
Q1105	N, MFET, 2.5V, SOT-23	252043	
Q1106	MFET, N-CH, 600V	310519-001	
Q1107	MFET, N-CH, 600V	310519-001	
Q1108	BPLR, N, 40V, 200mA, SOT23	146819	
Q1201	FET, P-CHANNEL, BSS84	269693	
Q1202	BPLR, N, 40V, 200mA, SOT23	146819	
Q1203	BPLR, N, 50V, 100mA, SOT23	146817	
Q1204	MOSFET, P-CH, 30V	298094-001	
Q1205	BPLR, P, 40V, 200mA, SOT23	148596	
Q1206	BPLR, P, 40V, 200mA, SOT23	148596	

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U1001	PWRAMP, TDF8599BTHN1C, HSOP, P-UP	320885-001	
U1101	PWM CONTROLLER, 80%DUTY CY	317119-001	
U1103	HALF-BRIDGE GATE DRIVER	317085-001	
U1201	OPTOISOLATOR, CNY17F-1X007	254120-002	
U1202	OPTOCOUPLER, 1Mb, 15kV/uS, SFH6345, SMD8	343210-0010	

## Inductors

Reference Designator	Description	Material Number	Note
L1001	INDUCTOR, PLANAR, 4-LAYER, 4T, ERF28-450	319196-450	
L1001A	CORE, FERRITE, ERF28, 450nH/N^2	314443-450	
L1101	3.30mH, CHOKE, 1.2A, 250V	321518-001	
L1301	3.30mH, CHOKE, 1.2A, 250V	321518-001	
L1302	82uH, FIXED, RADIAL, 5mm LS, 670mA	309310-820K	
L1303	82uH, FIXED, RADIAL, 5mm LS, 670mA	309310-820K	
L1304	2.2uH, Fixed	309310-2R2M	
L1305	2.2uH, Fixed	309310-2R2M	
L1306	2.2uH, Fixed	309310-2R2M	
L1307	2.2uH, Fixed	309310-2R2M	

# CineMate® 1SR and LS 135 Bass Module Power/AMP PCB Part List

## Miscellaneous

Reference Designator	Description	Material Number	Note
HS1101	HEAT SINK, TO-252 (D-PAK)	310759-001	
HS1102	HEAT SINK, TO-252 (D-PAK)	310759-001	
HS1201	HEAT SINK, D2PAK	320438-001	
J1301	CONN, SIDE ENTRY, W/PCB STAB	258436	
J1303	CONN., SMT, LIF, 17 POS., SIDE	255130-017	
J1304	CONN, HEADER, INLINE, PCB MNT, 2P	133220-02	
T1101	TRANSFORMER, PWR, EER BOBBIN, 40AWG	326842-0010	
VR1201	LIN REG, ADJ, SHUNT, TL431, 1%, SOT23-3	330361-1030	
W1101	JUMPER, CHIP, 0603	196042	
W1301	JUMPER, CHIP, 0805	133627	

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Resistor

Reference Designator	Description	Material Number	Note
R202	100K, 0603, .1W, 1%	191465-1003	
R203	5.6K, 0603, .1W, 1%	191465-5601	
R205	20K, 0603, .1W, 1%	191465-2002	
R206	10K, 0603, .1W, 1%	191465-1002	
R207	100 OHM, 0603, .1W, 5%	199403-101	
R208	100K, 0603, .1W, 1%	191465-1003	
R209	30.1K, 0603, .1W, 1%	191465-3012	
R210	16.2K, 0603, .1W, 1%	191465-1622	
R211	100K, 0603, .1W, 1%	191465-1003	
R212	2K, 0603, .1W, 1%	191465-2001	
R213	10 OHM, 0603, .1W, 5%	199403-100	
R214	1.0 K, ARRAY, SMT, 4 POS, 5%	186433-1024	
R216	0.10 OHM, 0805, 1/8W, 5%	304926-R10	
R220	100K, 0603, .1W, 1%	191465-1003	
R221	100K, 0603, .1W, 1%	191465-1003	
R301	47K, 0603, .1W, 5%	199403-473	
R303	1K, 0603, .1W, 1%	191465-1001	
R304	1K, 0603, .1W, 1%	191465-1001	
R306	10 OHM, ARRAY, SMT, 4 POS, 5%	186433-1004	
R307	10 OHM, 0603, .1W, 5%	199403-100	
R401	47K, 0603, .1W, 5%	199403-473	
R402	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R403	2.74K, 0603, .1W, 1%	191465-2741	
R404	2.74K, 0603, .1W, 1%	191465-2741	
R405	56.2K, 0603, .1W, 1%	191465-5622	
R406	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R407	10.0 OHM, 0402, 63MW, 1%	268361-10R0	
R501	100 OHM, 0402, 63MW, 1%	268361-1000	
R502	100 OHM, 0402, 63MW, 1%	268361-1000	
R503	10K, 0603, .1W, 5%	199403-103	
R504	JUMPER, CHIP, 0805	133627	
R505	100 OHM, 0402, 63MW, 1%	268361-1000	
R506	100 OHM, 0402, 63MW, 1%	268361-1000	
R507	75 OHM, 0402, 63MW, 1%	268361-75R0	
R508	130 OHM, 0402, 63mw, 1%	268361-130R	
R509	75 OHM, 0402, 63MW, 1%	268361-75R0	
R510	0 OHM, jumper, 0402	280043	
R511	20 OHMS, 0603, .1W, 5%	199403-200	
R512	100 OHM, 0402, 63MW, 1%	268361-1000	
R601	10K, 0603, .1W, 5%	199403-103	
R602	10K, 0603, .1W, 5%	199403-103	
R603	3.3K, 0603, .1W, 5%	199403-332	

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Resistor (continued)

Reference Designator	Description	Material Number	Note
R604	100 OHM, 0603, .1W, 5%	199403-101	
R605	499K, 0603, 100MW, 1%, SMD	191465-4993	
R606	499K, 0603, 100MW, 1%, SMD	191465-4993	
R607	1.5K, 0603, SMD, 100MW, 5%	199403-152	
R608	1K, 0603, .1W, 5%	199403-102	
R609	100 OHM, 0603, .1W, 5%	199403-101	
R610	1K, 0603, .1W, 5%	199403-102	
R701	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R702	300 OHMS, 0603, .1W, 5%	199403-301	
R703	100 OHM, ARRAY, SMT, 4 POS, 5%	186433-1014	
R704	100 OHM, 0402, 63MW, 1%	268361-1000	
R705	300 OHMS, 0603, .1W, 5%	199403-301	
R707	10K, 0603, .1W, 5%	199403-103	
R708	2.74K, 0603, .1W, 1%	191465-2741	
R709	2.74K, 0603, .1W, 1%	191465-2741	
R710	499K, 0603, 100MW, 1%, SMD	191465-4993	
R711	100 OHM, 0402, 63MW, 1%	268361-1000	
R712	100 OHM, 0402, 63MW, 1%	268361-1000	
R801	Potentiometer, 10K, +/- 20%, 1B	273741-001	5
R802	2.2k, ARRAY, 4POS, 0.063W, 5%	186433-2224	
R804	10K, 0603, .1W, 5%	199403-103	
R805	4.7K, 0603, .1W, 5%	199403-472	5
R806	4.7K, ARRAY, SMT, 4 POS, 5%	186433-4724	
R809	47K, 0603, .1W, 5%	199403-473	5
R810	47K, 0603, .1W, 5%	199403-473	5
R812	330 OHMS, 0603, .1W, 5%	199403-331	
R813	470 OHMS, 0603, .1W, 5%	199403-471	5
R814	1K, 0603, .1W, 5%	199403-102	5

## Capacitors

Reference Designator	Description	Material Number	Note
C201	220uF, EL, SMD, 105, 35V, 20%	306169-221VH	
C202	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C203	1500pF, X7R, 0402, 16V, 10%	293702-152	
C204	470pF, 0603, X7R, 50V	191470-471	
C205	1500pF, X7R, 0402, 16V, 10%	293702-152	
C206	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	
C207	3300pF, 0603, X7R, 50V	191470-332	
C208	100pF, C0G, 0603, 50V, 5%	188454-101	
C209	0.1uF, x7r, 0603, 10%, 50V	191470-104	

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C210	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C211	10uF, EL., SMD, 105, 35V, 20%	306245-100EB	
C212	1500pF, X7R, 0402, 16V, 10%	293702-152	
C213	220pF, C0G, 0603, 50V, 5%	188454-221	
C214	2.2uF, X7R, 0805, 16V, 10%	273596-225	
C215	2.2uF, X7R, 0805, 16V, 10%	273596-225	
C216	0.1uF, 0805, X7R, 50V, 10%	286499-104	
C217	100uF, CER, 1206, X5R, 6.3V	291432-107	
C218	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C219	3300pF, 0603, X7R, 50V	191470-332	
C301	10uF, EL, 85C, 20%, 16V	177902-100C	
C303	0.1uF, x7r, 0603, 10%, 50V	191470-104	
C304	2200pF, 0603, X7R, 50V	191470-222	
C305	10uF, EL, 85C, 20%, 16V	177902-100C	
C306	2200pF, 0603, X7R, 50V	191470-222	
C401	1.0uF, X5R, 0402, , 6.3V, 10%	313771-105J	
C402	100pF, COG, 0402, 5%, 50V	268364-101	
C403	100pF, COG, 0402, 5%, 50V	268364-101	
C404	100nF, X7R, 0402, 16V, 5%	296732-104	
C405	1.0uF, X5R, 0402, , 6.3V, 10%	313771-105J	
C406	100pF, COG, 0402, 5%, 50V	268364-101	
C407	100nF, X7R, 0402, 16V, 5%	296732-104	
C408	100nF, X7R, 0402, 16V, 5%	296732-104	
C409	100pF, COG, 0402, 5%, 50V	268364-101	
C410	100pF, COG, 0402, 5%, 50V	268364-101	
C411	100nF, X7R, 0402, 16V, 5%	296732-104	
C412	100pF, COG, 0402, 5%, 50V	268364-101	
C413	100pF, COG, 0402, 5%, 50V	268364-101	
C414	100nF, X7R, 0402, 16V, 5%	296732-104	
C415	100pF, COG, 0402, 5%, 50V	268364-101	
C416	100nF, X7R, 0402, 16V, 5%	296732-104	
C417	27pF, C0G, 0402, 50V, +/-0.5pF	317398-270DH	
C418	100pF, COG, 0402, 5%, 50V	268364-101	
C419	100nF, X7R, 0402, 16V, 5%	296732-104	
C421	22pF, C0G, 0402, 50V, +/-0.25pF	317398-220CH	
C422	100nF, X7R, 0402, 16V, 5%	296732-104	
C423	22pF, COG, 0402, 50V, 5%	268364-220	
C424	100pF, COG, 0402, 5%, 50V	268364-101	
C425	100nF, X7R, 0402, 16V, 5%	296732-104	
C426	100nF, X7R, 0402, 16V, 5%	296732-104	
C427	100pF, COG, 0402, 5%, 50V	268364-101	
C501	18pF, COG, 0402, 5%, 50V	268364-180	

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C502	18pF, COG, 0402, 5%, 50V	268364-180	
C503	1.0pF, +/-0.1pF., COG, 0402, 50V	317398-010BH	
C504	1.0pF, +/-0.1pF., COG, 0402, 50V	317398-010BH	
C505	2.2pF, C0G, 0402, 50V, +/-0.25pF	317398-2R2CH	
C506	22pF, COG, 0402, 50V, 5%	268364-220	
C507	100pF, COG, 0402, 5%, 50V	268364-101	
C508	100pF, COG, 0402, 5%, 50V	268364-101	
C509	.01uF, 0603, X7R, 50V	191470-103	
C510	22pF, COG, 0402, 50V, 5%	268364-220	
C511	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C512	22pF, COG, 0402, 50V, 5%	268364-220	
C513	22pF, COG, 0402, 50V, 5%	268364-220	
C514	22pF, COG, 0402, 50V, 5%	268364-220	
C516	100pF, COG, 0402, 5%, 50V	268364-101	
C517	22pF, COG, 0402, 50V, 5%	268364-220	
C518	22pF, COG, 0402, 50V, 5%	268364-220	
C519	22pF, COG, 0402, 50V, 5%	268364-220	
C520	1000pF, 0603, X7R, 50V	191470-102	
C521	100pF, COG, 0402, 5%, 50V	268364-101	
C602	.01uF, 0603, X7R, 50V	191470-103	
C603	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C604	.01uF, 0603, X7R, 50V	191470-103	
C605	.01uF, 0603, X7R, 50V	191470-103	
C606	.01uF, 0603, X7R, 50V	191470-103	
C607	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C608	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C609	10uF, X5R, 0805, , 6.3V, 10%	273592-106J	
C610	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C611	0.1uF, X7R, 0603, 6.3V, 10%	257154-104K06	
C612	1.0uF, X5R, 0402, , 6.3V, 10%	313771-105J	
C613	22pF, C0G, 0603, 50V, 5%	188454-220	
C614	22pF, C0G, 0603, 50V, 5%	188454-220	
C615	3300pF, 0603, X7R, 50V	191470-332	
C616	3300pF, 0603, X7R, 50V	191470-332	
C701	100pF, C0G, 0603, 50V, 5%	188454-101	
C703	3300pF, 0603, X7R, 50V	191470-332	
C704	3300pF, 0603, X7R, 50V	191470-332	
C705	3300pF, 0603, X7R, 50V	191470-332	
C706	3300pF, 0603, X7R, 50V	191470-332	
C707	3300pF, 0603, X7R, 50V	191470-332	
C708	3300pF, 0603, X7R, 50V	191470-332	
C709	3300pF, 0603, X7R, 50V	191470-332	

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Capacitors (continued)

Reference Designator	Description	Material Number	Note
C710	3300pF, 0603, X7R, 50V	191470-332	
C711	3300pF, 0603, X7R, 50V	191470-332	
C714	.01uF, 0603, X7R, 50V	191470-103	
C715	.01uF, 0603, X7R, 50V	191470-103	
C716	3300pF, 0805, X7R, 50V, 10%	286499-332	
C801	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	5
C802	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	5
C803	1000pF, 0603, X7R, 50V	191470-102	
C804	220uF, EL, SMD, 105, 16V, 20%,	306245-221CE	5
C805	1000pF, 0603, X7R, 50V	191470-102	
C806	0.22uF, X7R, 0603, 16V, 10%	257154-224K16	5
C807	0.33uF, FILM, X2, 305VAC, 15MM	310415-334ME	

## Diodes

Reference Designator	Description	Material Number	Note
D201	SWITCHING, SOD123, 1N4148W	257662	
D202	SCHOTTKY, 40V, 3A, SMB	193847-001	
D501	SWITCHING, 75V, 200mA	148582	
D801	SOT-23, BAV 99	147239	
D802	SOT-23, BAV 99	147239	
D803	SWITCHING, 100V, BAV99, SOT363	319113-001	5
D804	SWITCHING, 75V, 200mA	148582	5
DS701	LED, 625nm, 160mA, 5V	307558-001	

## Transistors

Reference Designator	Description	Material Number	Note
Q202	XSISTOR, MFET, P, 40V, 3.0A, SOT-23	303215-001	
Q701	BPLR, N, 4.7K, SOT23	192603	
Q702	BPLR, N, 4.7K, SOT23	192603	
Q801	BPLR, N, 40V, 200mA, SOT23	146819	
Q802	BPLR, N, 40V, 200mA, SOT23	146819	
Q803	XSISTOR, MFET, P, 40V, 3.0A, SOT-23	303215-001	5

# CineMate® 1SR and LS 135 Bass Module I/O PCB Part List

## Integrated Circuits

Reference Designator	Description	Material Number	Note
U201	PWM, V, CNTRLLR, TPS40200	303218-001	
U301	DAC, 192kHz, 24Bit, 2ch, AK4384	299344-001	
U401	RF, TRANSCVR, 2.4GHz, QFN40, CC8520	326252-0040	
U501	Inverter, Dual, 50mA, 5V	280293-001	
U502	OPTOISOLATOR, CNY17F-1X007	254120-002	
U601	uP, PROGRAMMED FLASH CNTROLLR, W/USB, 192Kb, 64-P	369988-001S	

## Inductors

Reference Designator	Description	Material Number	Note
L201	INDUCTOR, 0.83A, 330uH+/-20%, SMT	303213-331M	
L501	2.2nH, +/-0.3nH, IND, MLC, 0402	318511-2R2S	
L502	2.2nH, +/-0.3nH, IND, MLC, 0402	318511-2R2S	
L503	2.2nH, +/-0.3nH, IND, MLC, 0402	318511-2R2S	

## Miscellaneous

Reference Designator	Description	Material Number	Note
F801	FUSE, TIME LAG, 4A, 250V	310538-4000A	3 
FB201	330 OHM, FERRITEBD, IND0603, 200MA	268373-331	
FB801	330 OHM, BEAD, FERRITE, 0805, 1.5A	267539-331	5
FL501	FILTER, B-PASS, 2450.00 MHz	317139-001	
J1103	SHIELD, PCB FENCE, 1.732 x 1.201	319871-103	
J1103-TOP	SHIELD, PCB, COVER, 1.732 x 1.201	319871-102	
J702	CONN, 1.00MM, 17 PIN, TOP TAPED	190718-T17	
J705	CONN., RECEPTACLE, COAX, SMT	326749-0010	
J801	AC CONN, SINGLE PIECE LEADS	301125-001	3 
J801-A	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	
J801-B	SCREW, TAPP, 4-16X.38, PAN, XREC	288372-006	
J802	CONN, USB, TYPE A, SMT	306363-001	5
J803	CONN, JACK, PHONE, 3.5MM	282721-002	
J805	CONN., SMB-J, RECEPTACLE, R/A, 50 OHMS	328927-0010	
J807	CONN, SIDE ENTRY, W/PCB STAB	258436	
SHLD201	SHIELD, SMT, FENCE, 63.2x37.1x13.1	330898-0010	
SHLD201-TOP	SHIELD, COVER, 63.8X37.7X4.00mm	330918-0010	
SHLD301	SHIELD, FENCE , SMT, 63.2X37.1X8.0	330901-0010	
SHLD301-BOT	SHIELD, COVER, 63.8X37.7X4.00mm	330918-0010	

# Cinemate 1SR and LS 135 Bass Module I/O PCB Part List

## Miscellaneous

Reference Designator	Description	Material Number	Note
SW501	0.5W, LO-V, S-BAND , SWITCH	317133-001	
SW502	0.5W, LO-V, S-BAND , SWITCH	317133-001	
VR201	VOLT REG, 3.3V, 1A	267317-1033	
VR801	VARISTOR, MET OX, 275V, 75JOULE	170189	3 
W202	JUMPER, CHIP , 0805	133627	
W203	JUMPER, CHIP , 0603	196042	
W204	JUMPER, CHIP , 0603	196042	
W401	0 OHM, jumper, 0402	280043	
W402	0 OHM, jumper, 0402	280043	
W404	0 OHM, jumper, 0402	280043	
W405	0 OHM, jumper, 0402	280043	
W406	0 OHM, jumper, 0402	280043	
W407	0 OHM, jumper, 0402	280043	
W408	0 OHM, jumper, 0402	280043	
W409	0 OHM, jumper, 0402	280043	
W410	0 OHM, jumper, 0402	280043	
W411	0 OHM, jumper, 0402	280043	
W412	0 OHM, jumper, 0402	280043	
W702	0 OHM, jumper, 0402	280043	
W703	JUMPER, CHIP , 0805	133627	
X401	CRYSTAL, FUND., 48MHz, +/-13ppm, SX-2520	291429-020	
X601	CRYSTAL, MC49, 4.00MHZ	270245	

# Sound Bar Disassembly Procedures

## 1. Top Cover Removal

1.1 Remove the 12 screws indicated in Figure 3 securing the top cover.

**Important Note:**

1. When replacing the top cover screws, follow the sequence in Figure 3 to avoid causing the top cover to bow.
2. Ensure no wire harness obstructs a screw hole or gets pinched by the top cover when replaced. When removing any internal part, make note of the wire dressing and it ensure it is maintained after replacing a part.

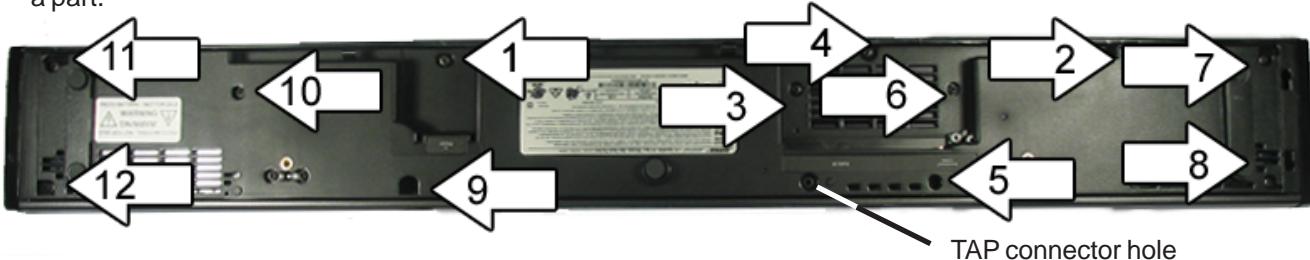


Figure 3. Top Cover Screws

1.2 Flip over the sound bar so the grille is facing up.

1.3 For CineMate® 1SR version only, remove the AdaptIQ® door on the left side.

1.4 Grasp the top cover at both ends and lift off.



Figure 4. Phase Guide Speaker Screws

## 2. Phase Guide Speaker Removal (Left or Right)

2.1 Remove the two screws indicated in Figure 4 securing the phase guide to the bottom panel.

2.2 Lift out the phase guide and remove the wire connector from the PCB.

**Note:** When replacing the phase guide, ensure the wire harness is wrapped along the back of the speaker and under the phase guide. For the right phase guide, ensure the wire harness does not extend around the AC PCB shield. See Figure 5 and 6, Right Phase Guide Wire Routing.



Figure 5. Phase Guide Wire Routing



Figure 6. Right Phase Guide Wire Routing

# Sound bar Disassembly Procedures

## 3. Twiddler® Removal

3.1 Perform procedure 1 first.

3.2 Remove the four screws indicated in Figure 7.

3.2 Lift out the Twiddler

**Note:** Make note of the wiring configuration for use when attaching a replacement transducer.

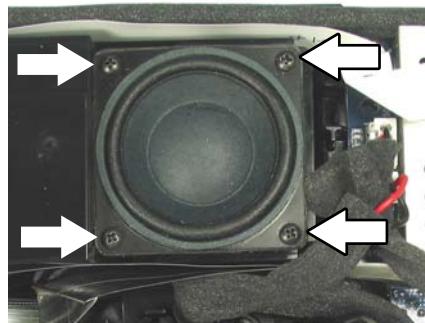


Figure 7. Twiddler Removal

## 4. Front Tweeter Removal

4.1 Perform procedure 1 and 8 first.

**Note:** Removing the IR/LED PCB will release the tweeter harness. Make note of the wire harness routing and ensure it is properly wired under the IR/LED PCB when replaced.

4.2 Remove the two screws indicated in Figure 8.

4.3 Lift out the front tweeter.



Figure 8. Front Tweeter Removal

## 5. DSP PCB Removal

5.1 Perform procedure 1 and 2 (left phase guide) first.

5.2 CineMate® 1SR - remove the AdapIQ bezel by releasing the two snaps indicated. Figure 9.

5.3 Remove the cables from the PCB. Use a U.FL extraction tool, such as Hirose part number U.FL-LP-N-2(01), to remove the U.FL connector.

Use care when removing the U.FL connector to avoid damaging the connector.

5.4 Remove the screw indicated in Figure 10 securing the DSP PCB.

5.5 While using care not to bend the RF antenna, lift off the DSP PCB.

**Note:** When replacing the DSP PCB, use care not to bend the RF antenna or damage the U.FL connector when reconnecting. Press gently straight down to insert the U.FL connector. Excessive or angled pressure will damage the connector. When properly installed, the antenna cable will rotate freely about the connector. Do not rotate more than 1/8th of a turn to avoid damaging the connector.

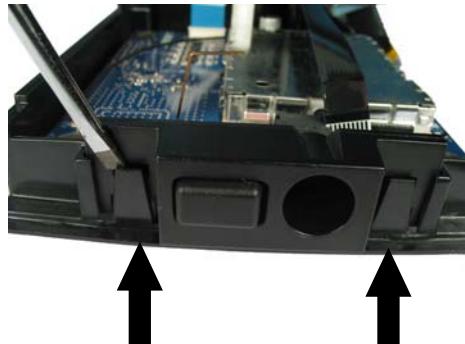


Figure 9. AdapIQ Bezel Removal

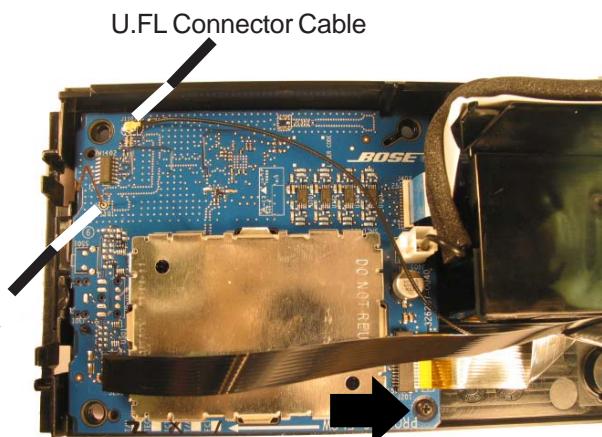


Figure 10. DSP Removal

# Sound Bar Disassembly Procedures

## 6. AMP PCB Removal

6.1 Perform procedure 1 first.

6.2 Remove the two screws indicated in Figure 11 securing the Amp PCB.

6.3 Remove the wire harness connectors and ribbon cables from the PCB. Lift out the PCB.

**Note:** 1. When installing the Amp PCB, ensure the wires are properly dressed. Refer to Figure 11. Amp PCB Removal.

**Note:** 2. Avoid removing the metal heat spreader plate (located on the bottom of the AMP PCB). If it was removed, ensure a void-free thermal gel contact between the plate and the three IC location markings on the PCB. Reapply thermal gel if needed, Chromerics 65-00-GEL30-0010, Bose part number 369952-001S

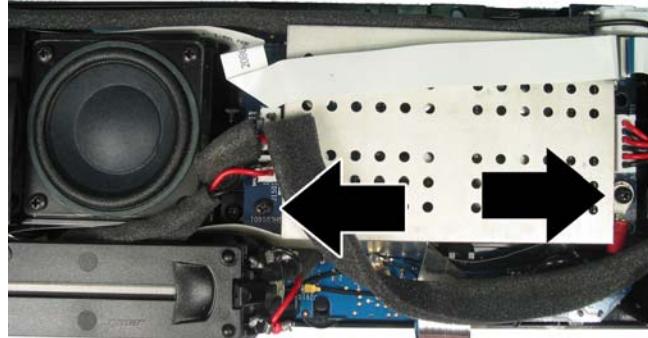


Figure 11. Amp PCB Removal

## 7. I/O PCB Removal

7.1 Perform procedure 1 and 6 first.

7.2 Remove the three screws indicated in Figure 12 securing the connector backup and I/O PCB. Lift out the connector backup and I/O PCB together.

7.3 Remove the ribbon cable from the I/O PCB. Remove the U.FL connector only if needed. Use a U.FL extraction tool, such as Hirose part number U.FL-LP-N-2(01), to remove the U.FL connector. Use care when removing the U.FL connector to avoid damaging the connector.

**Note:** When replacing the I/O PCB, use care not to damage the U.FL connector when reconnecting. Press gently straight down to insert the U.FL connector. Excessive or angled pressure will damage the connector. Apply glue to the cable as shown in Figure 12 to relieve strain on the connector. When properly installed, the antenna cable will rotate freely about the connector. Do not rotate more than 1/8th of a turn to avoid damaging the connector.

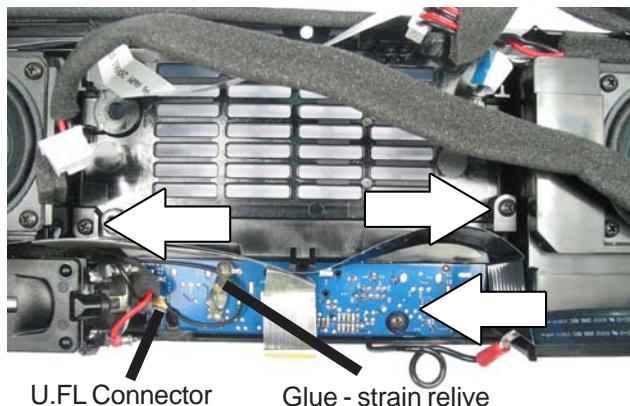


Figure 12. I/O PCB Removal



Figure 13. IR/LED PCB Mesh

## 8. IR/ LED PCB Removal

8.1 Perform procedure 1 first.

8.2 CineMate® 1SR only - lift off the mesh covering the IR/ LED PCB. Figure 13.

8.3 Remove the screw indicated in Figure 14 securing the IR/LED PCB. Lift off the IR/LED PCB.

**Note:** It might be necessary to replace the mesh covering if the adhesive does not adhere when replaced.

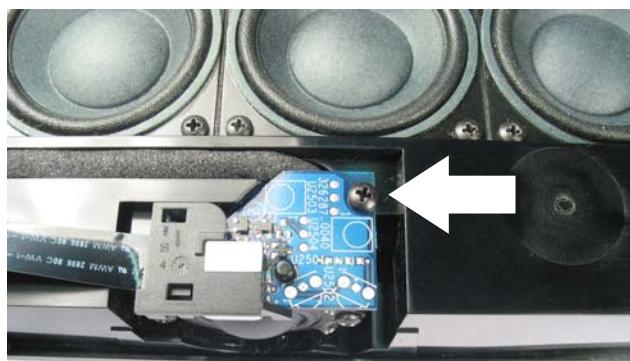


Figure 14. IR/LED PCB

# Sound Bar Disassembly Procedures

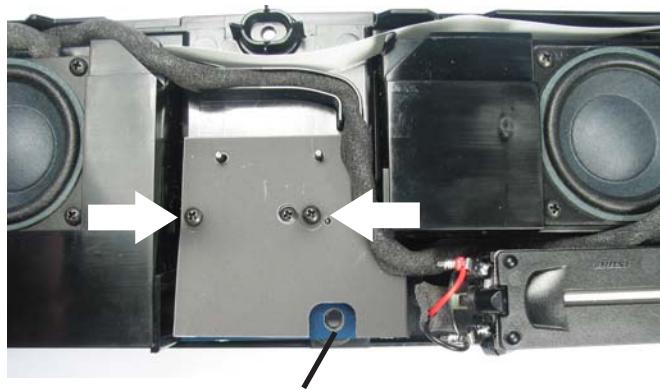
## 9. AC PCB Removal

**9.1** Perform procedure 1.

**9.2** Remove the two screws indicated in Figure 15 securing the AC PCB and insulator. Lift off the AC PCB and insulator

**9.3** Remove the wire connector from the AC PCB.

**Note:** Ensure the AC PCB insulator is properly positioned over the AC PCB when installing. The open groove aligns with the opening for the top cover screw.



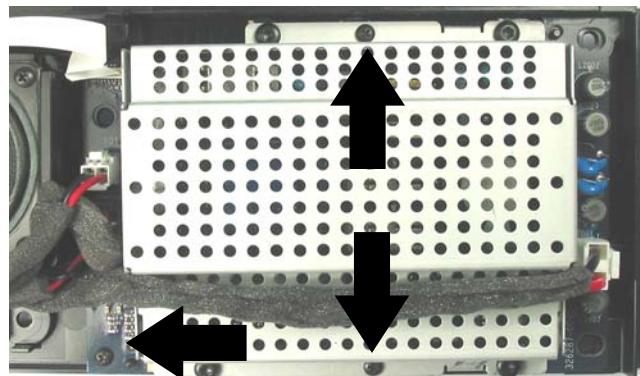
Align AC PCB insulator with top cover screw hole

**Figure 15. AC PCB**

## 10. Power Supply PCB Removal

**10.1** Perform procedure 1 and 2.

**10.2** Remove the three screws indicated in Figure 16 securing the power supply PCB. Remove the wire harness connectors and ribbon cables. Lift off the power supply PCB.



**Figure 16. Power Supply PCB Removal**

# Lifestyle® 135 Bass Module Disassembly Procedures

## 1. Rear Cover Removal

**1.1** Remove the four screws indicated in Figure 17 securing the rear cover.

**Note:** When replacing the rear cover, tighten the screws in the order shown in Figure 17 to ensure the cover aligns properly.

**1.2** Lay the bass module on its' right side. Rotate the rear cover to gain access to the AC wire harness. Disconnect the AC wire harness from the power supply PCB.



**Figure 17. Rear Cover Removal**

## 2. I/O PCB Removal

**2.1** Perform procedure 1 first

**2.2** Slightly rotate the cover to gain access to the AC wire harness. Disconnect the AC wire harness as shown in Figure 18.

**2.3** Use a U.FL extraction tool, such as Hirose part number U.FL-LP-N-2(01), to disconnect the antenna's U.FL connector. Figure 19 - Antenna Cable

Use care when removing antenna's U.FL connector to avoid damaging the connector.

**Note:** When replacing the I/O PCB, use care not to damage the antenna's U.FL connector when reconnecting. Press gently straight down to insert the U.FL connector. Excessive or angled pressure will damage the connector. When properly installed, the antenna cable will rotate freely about the connector. Do not rotate more than 1/8th of a turn to avoid damaging the connector.

**2.4** With the cover laying flat on the bench, remove the two screws indicated in Figure 19 securing the connector cover. Lift off the connector cover.

**Important Note:** To reduce stress on the U.FL connector, the connector cover should be in place before connecting the antenna cable's U.FL connector. Be sure to leave enough cable length so the cable can be easily attached to the U.FL connector without stressing the connector.

**Note:** When replacing the connector cover, ensure the antenna cable is properly dressed under the groove in the connector cover.



Disconnect AC  
Wire Harness

**Figure 18. AC Wire Harness**



**Figure 19. Connector Cover Removal**

(Continued on next page)

# Lifestyle® 135 Bass Module Disassembly Procedures

## 2. I/O PCB Removal (continued)

2.5 Remove the ribbon cable.

2.6 Remove the screw indicated in Figure 20 securing the I/O PCB. Lift out the I/O PCB.

## 3. Power Supply PCB Removal

3.1 Perform Procedure 1, 2.3, and 2.4 first

3.2 Remove the two screws indicated in Figure 21 securing the heat sink. Lift out the heat sink.

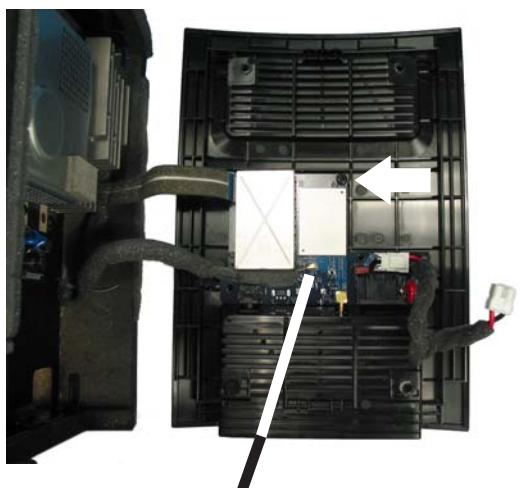
**Note:** When replacing the heatsink, ensure the ribbon cable is routed under the heatsink.

3.3 Remove the six screws indicated in Figure 22 securing the power supply shield and PCB. Lift off the power supply shield and PCB.

**Note:** 1. When installing the power supply PCB, ensure the thermal pad is located over U1001 and L1001. If the thermal pad is moved, it should be replaced because the compressed areas on the thermal pad will no longer align with the heatsink. It is important that there is good thermal contact between the thermal pad and heatsink.

2. When replacing the shield, ensure the conductive pad is located as shown in Figure 21.

3. When replacing the shield, first secure the two screws indicated in Figure 22 to ensure proper alignment of the shield.



Antenna Cable

Figure 20. DSP PCB Removal

Conductive Pad

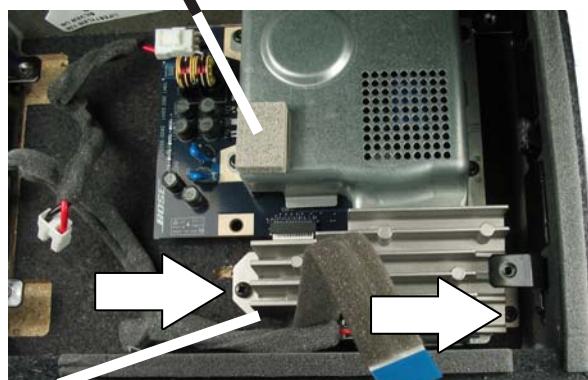
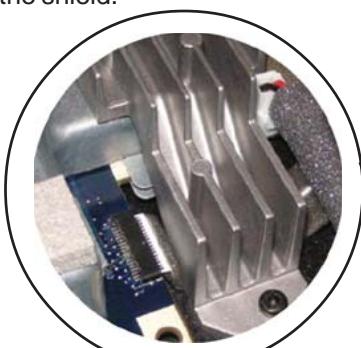
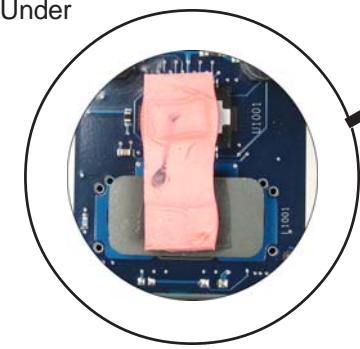


Figure 21. Heat Sink Removal



Ribbon Cable Routed Under  
Heatsink



Thermal Pad

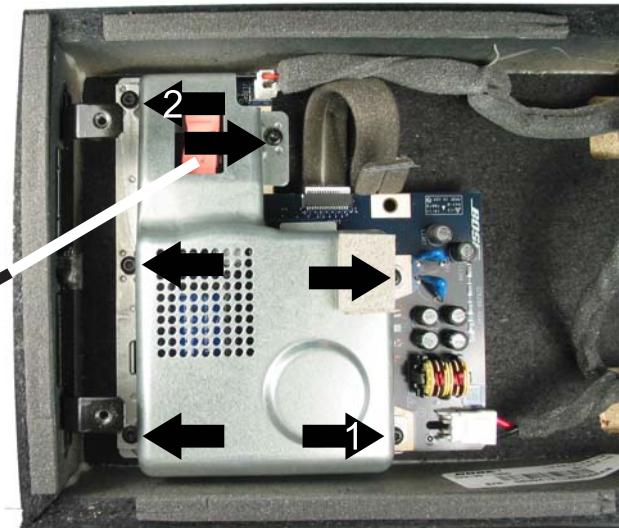
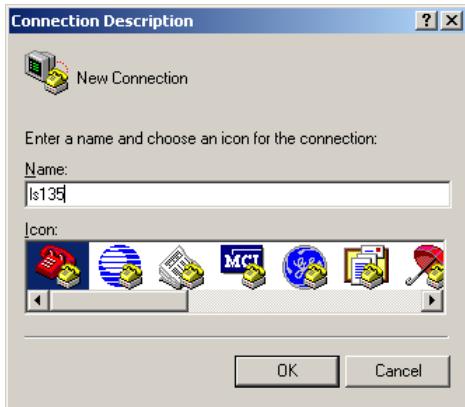


Figure 22. Power Supply PCB Removal

# Setting up a Computer to Issue TAP Commands

1. Open a terminal window. Click: Start/Program/Accessories/Hyper terminal/Hyperterminal

2. In the “Connection Description” window, type the name “ls135” then click “OK”; any name may be entered.

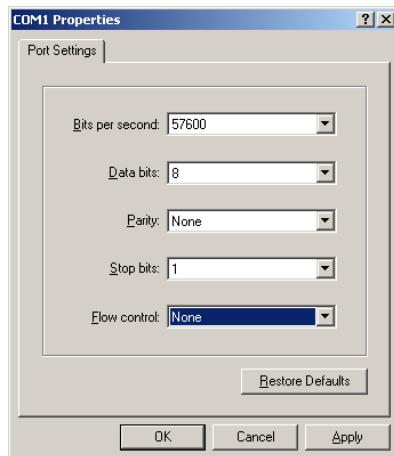


3. In the “Connect To” window, select the COM port on your computer that you will be connecting the soundbar to and then click OK.

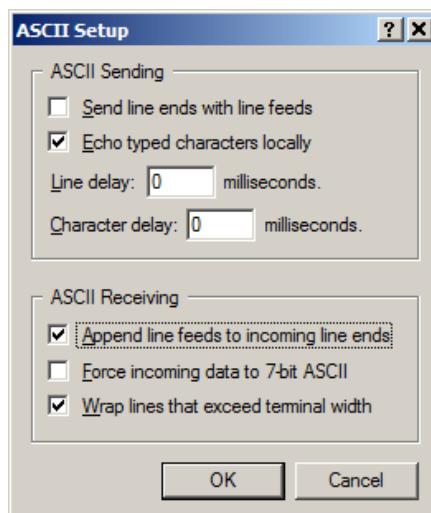
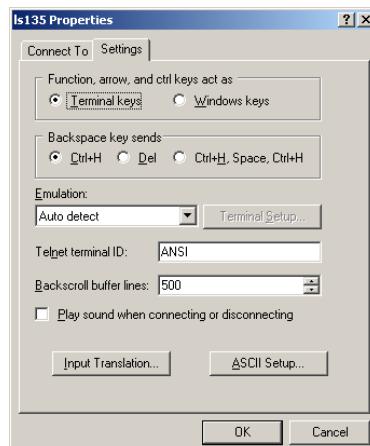


6. In the Settings window, click on ASCII setup and make the selections in the various fields as shown.

4. In the “COM1 Properties” window, make the selections in the various fields as shown.



5. In the Hyperterminal window, click on File/Properties. In the Properties window, click on the Settings tab, make the selections in the various fields as shown.



# TAP Connections to Sound Bar and Bass Module

## 1. CineMate® 1 SR Sound Bar TAP Cable Connection

1.1 Connect TAP cable part number 264565 to a COM port on your computer.

1.2 Connect other end of the TAP cable to the TAP connection on the Sound bar. This is located on the back of the sound bar above the AUX input.

## 2. Lifestyle® 135 Sound Bar TAP Cable Connection

2.1 Connect TAP cable part number 264565 to a COM port on your computer.

2.2 Connect the other end of the TAP cable 264565 to the TAP connection on the Sound bar. This is located on the back of the sound bar to the right of the Audio Input.

2.3 Connect TAP cable part number 299656 to the DIN connector on the Sound bar. Connect either a 9 volt battery or 9 volt DC power supply to the 9 Volt battery connector. This is done to simulate the turn on voltage sent from an AV35 control console.

2.4 Connect TAP cable 299656 RCA connector to the output of a A/D converter.

Note: This TAP cable is only used to supply the 9 Volt turn on signal and the digital audio signal.

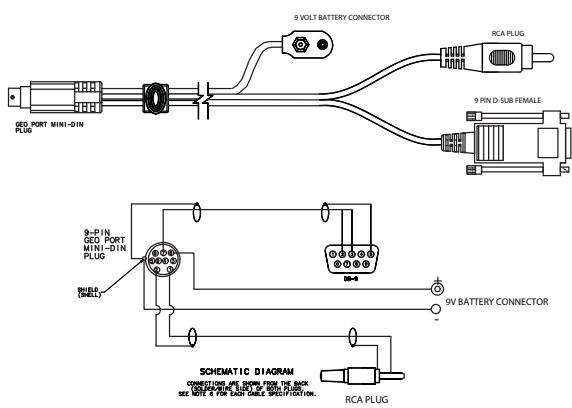


Figure 23. TAP Cable 299656

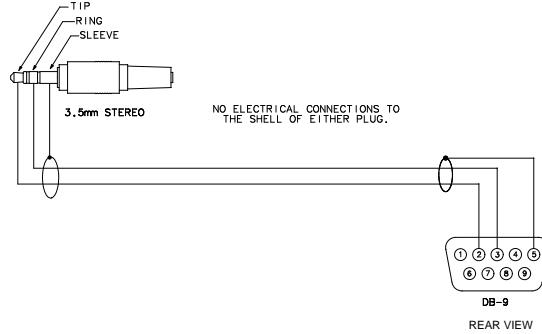


Figure 24. TAP Cable 264565



Figure 25. Soundbar TAP Port

# Pairing a Sound Bar to a Bass Module

## Overview

The sound bar RF ID is stored in the bass module. Once the RF ID is stored, the sound bar will only communicate to the bass module it has been paired with.

If you are testing a customer soundbar or bass module with a test soundbar or bass module, it is necessary to pair the customer device to the bench test device.

If you pair a customer soundbar or bass module to a test device, provide the customer instructions to pair their system when returned.

A maximum of four paired sound bar and bass modules can operate in close proximity.

## Wired Connection

If using in an application such as a hotel or areas where RF interference might occur, a SMB wired connection should be used.

When using the wired connection, the sound bar will pair automatically with the bass module.

331731-0010 : 4 meter SMB to SMB Coax Cable (used for end user wired connection)

345328-0010 : 1 meter SMB to F Coax Cable (two used for wiring up to 100')

## 1. CineMate® 1SR End User Pairing Instructions

**1.1** Unplug the Acoustimass® module AC power cord.

**1.2** Remove the door on the end of the speaker array.

**1.3** Press and hold the ADAPTiQ® button for 3-4 seconds until the status indicator starts slowly blinking orange.

**1.4** Plug the Acoustimass module AC power cord in the AC outlet.

Pairing is complete when the Acoustimass module status indicator becomes solid orange and the speaker array status indicator turns off.

## 2. Lifestyle® 135 End User Pairing Instructions.

**2.1** Using the system cable, connect the soundbar to the control console.

**2.2** Apply power to the console, soundbar, and bass module.

**2.3** Press the Setup button on the control console and select the "Reconnect Acoustimass" menu item. Follow the on-screen instructions.

## 3. Pairing using a SMB cable

**3.1** Connect SMB cable, part number 331731-0010, to the sound bar and bass module.

**3.2** Connect power to the soundbar and bass module.

**3.3** A solid orange LED on the bass module indicates pairing is complete.

**3.4** To avoid the soundbar or bass module from pairing with another system in the repair area, remove power from both components before removing the SMB cable.

# Setting The Region Variant - CineMate® 1SR Only

## 1. Setting the Region Variant - CineMate 1SR Only

There are 4 variants of the CineMate 1 SR sound bar (US/AIM, EURO/UK, Asia Pacific, Japan) that have separate AdaptiQ® language lists. When replacing DSP PCB in a US, Asia/PAC, and Japan variant, the variant needs to be set to present the proper AdaptiQ language selection list. The UK/EURO variant does not need to be set. The US, Asia/PAC, and Japan version use the same version of a programmed IC containing the language list. The EU/UK version uses a programmed IC that contains just the EU/UK language list.

1.1 Refer to pages 74 and 75 to setup a computer to issue TAP commands.

1.2 Enter the TAP command TN 65 ON, to turn on the sound bar.

1.3 Enter the appropriate TAP command from the table below to set the variant.

Variant	TAP Command
US	TN 33 1
Asia/Pac	TN 33 3
Japan	TN 33 4

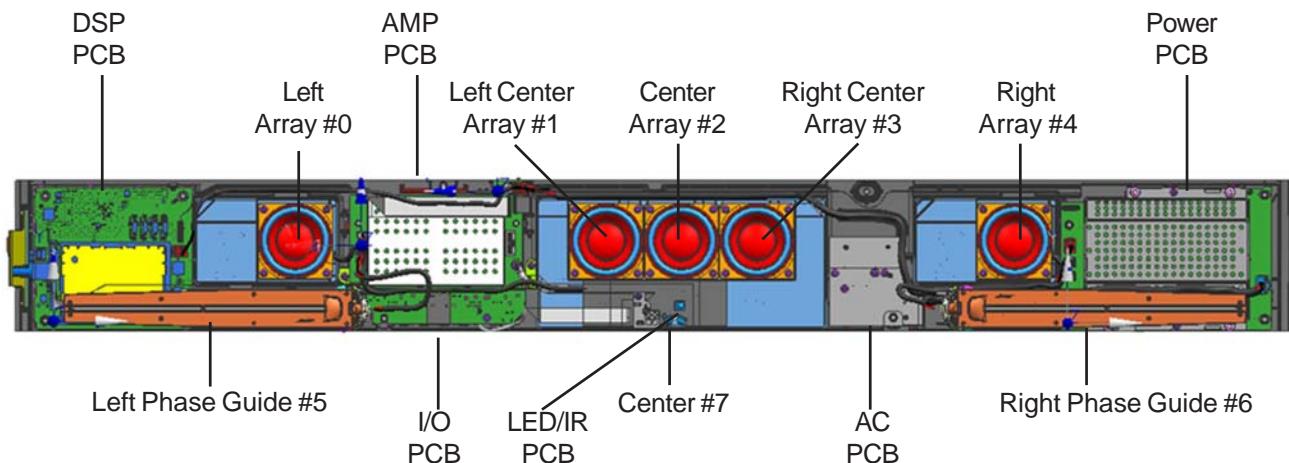


Figure 26. Transducer and PCB Identification

# Lifestyle® 135 Performance Verification Procedures

## Required Equipment

1. Tera Term terminal emulator - download at <http://sourceforge.jp/projects/ttssh2/>
2. TAP cable 264565 ( used for TAP commands)
3. TAP cable 299656 (used for COAX input and Turn on voltage)
4. An A/D converter and audio generator
5. Lifestyle® 135 Bass Module
6. SMB cable part number 331731-0010 or equivalent.
7. Computer setup to issue TAP commands - see pages 73 and 74 for instructions.
8. A paired soundbar and bass module - see page 75 for instructions.

## 1. Sound Bar Air Leak Test

- 1.1** Issue the following TAP commands

SO BDSP (resets DSP)  
 SO L,ALL (sends left input to all channels)  
 SO 0,8 (mutes bass channel)  
 VO CB 20 (sets volume level)

- 1.2** Apply a 285 Hz, 85 mVrms signal to the A/D converter.

- 1.3** Listen for any air leaks from sealed enclosures for the twiddlers, tweeter, and phase guide arrays.

## 2. Sound Bar Buzz Test and Sweep Test

- 2.1** Issue the following TAP commands

SO BDSP (resets DSP)  
 VO CB 20 (sets volume level)  
 SO 0,8 (mutes bass channel)

- 2.2** Apply a 200 Hz, 85 mVrms signal to the left input of the A/D converter.

- 2.3** Sweep the audio generator form 200 Hz to 2 kHz.

- 2.4** Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

- 2.5** Issue the TAP command VO CB 20 to set the volume level.

- 2.6** Apply a 200 Hz, 60 mVrms signal to the left and right input

- 2.7** Sweep the audio generator form 200 Hz to 2 kHz.

**2.8** Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

**2.9** Apply a 200 Hz, 85 mVrms signal to the right input of the A/D converter.

**2.10** Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

## 3. Transducer Operational Test

**3.1** Issue TAP commands in the table below to generate audio for each transducer. The sound bar will generate this tone internally

**3.2** Listen for clean undistorted audio from each transducer.

**3.3** Refer to Figure 26 on page 76 for transducer location.

(SO FREQ LEVEL SPKR)

TAP Command	Action
SO 350 -30 0	Left #0 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 1	Left Center #1 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 2	Center #2 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 3	Right Center #3 On
SO 0 -100 ALL	Mute All
SO 350 -30 4	Right #4 Array On
SO 0 -100 ALL	Mute All
SO 2500 -30 5	Left Phase Guide # 5 On
SO 0 -100 ALL	Mute All
SO 2500 -30 6	Right Phase Guide #6 On
SO 0 -100 ALL	Mute All
SO 350 -30 7	Center #7 Array On
SO 0 -100 ALL	Mute All
SO 100 -30 8	Bass Module On
SO 0 -100 ALL	Mute All

## 4. Verify Bass Module Link

- 4.1** Issue the following TAP commands

SO BDSP (resets DSP)  
 VO CB 20 (sets volume level)  
 SO L,8 (Routes left channel to bass box)

- 4.2** Apply a 85mv, 40 Hz signal to the A/D converter.

- 4.3** Listen for clean undistorted audio from the bass module.

# Lifestyle® 135 Performance Verification Procedures

<p><b>5. Bass Module Air Leak</b></p> <p><b>5.1</b> Issue the following TAP commands</p> <p>SO BDSP (resets DSP) VO CB 20 (sets volume level)</p> <p><b>5.2</b> Mute the sound bar channels by issuing the following TAP commands</p> <p>SO 0,0 SO 0,1 SO 0,2 SO 0,3 SO 0,4 SO 0,5 SO 0,6 SO 0,7</p> <p><b>5.3</b> Apply a 50 Hz, 100 mVrms signal to the A/D converter</p> <p><b>5.4</b> Listen for air leaks from the bass module seams and module cover.</p> <p><b>6. Bass Module Sweep Test</b></p> <p><b>6.1</b> Issue the following TAP commands</p> <p>SO BDSP (resets DSP) VO CB 20 (sets volume level)</p> <p><b>6.2</b> Apply a 40 Hz, 100 mVrms signal to the A/D converter.</p> <p><b>6.3</b> Sweep the audio generator from 40 - 300 Hz.</p> <p><b>6.4</b> Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.</p> <p><b>7. RF Testing, Wired</b></p> <p><b>7.1</b> Connect SMB cable part number 331731-0010 to the soundbar Acoustimass® and bass module speaker array connectors.</p> <p><b>7.2</b> Enter TAP command “RF DI” to retrieve the Device ID from the soundbar. Expected Output: <b>DEVICE_ID : 0x2001742B</b> <b>MANF_ID : 0x0000B05E</b> <b>PROD_ID : 0x01000001</b></p>	<p><b>7.3</b> Read back connection status by issuing TAP command “rf gs” to the bass module Expected Output: <b>0x2001742B 0x0000B05E 0x00001ED5</b> 0x99 0x0020 0x00- 0x00- 0x00- 0x00- 0x00- 0x05+ 0x00- 0x00- 0x00 0x00- 0x00- 0x00- 0x00- 0x00- 0x00- 0x00- <b>-42</b> 40275 0x0D 832 0x0020</p> <p><b>7.4</b> Verify the network ID (line 1, word 1) matches the Device ID retrieve in step 7.2. This indicates the soundbar and bass module are paired.</p> <p><b>7.5</b> Verify RSSI (line 5) is (&lt; -20) AND (&gt;= -45)</p> <p><b>8. Antenna and RF Testing, Wireless</b></p> <p><b>8.1</b> Place the port of the bass module 3 feet from the left side of the sound bar. <b>Note:</b> Surfaces in the test area will impact this measurement. Comparing results to a known good system will improve the accuracy of this test for your area.</p> <p><b>8.2</b> Enter TAP command “RF DI” to retrieve the Device ID from the soundbar. Expected Output: <b>DEVICE_ID : 0x2001742B</b> <b>MANF_ID : 0x0000B05E</b> <b>PROD_ID : 0x01000001</b></p> <p><b>8.3</b> Read back connection status by issuing TAP command “rf gs” to the bass module. Expected Output: <b>0x2001742B 0x0000B05E 0x00001ED5</b> 0x99 0x0020 0x00- 0x00- 0x00- 0x00- 0x00- 0x05+ 0x00- 0x00- 0x00 0x00- 0x00- 0x00- 0x00- 0x00- 0x00- 0x00- <b>-37</b> 40275 0x0D 832 0x0020</p> <p><b>8.4</b> Verify the network ID (line 1, word 1) matches the Device ID retrieve in step 7.2. This indicates the soundbar and bass module are paired.</p> <p><b>8.5</b> Verify RSSI (line 5) is (&lt; -20) AND (&gt; -40) Note: RSSI (Receive Signal Strength Indicator)</p>
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# CineMate® 1SR Performance Verification Procedures

## Required Equipment

1. Tera Term terminal emulator - download at <http://sourceforge.jp/projects/ttssh2/>
2. TAP cable 264565 ( used for TAP commands)
3. An A/D converter and audio generator
5. A Coax to Optical converter
4. SMB cable part number 331731-0010 or equivalent.
5. Computer setup to issue TAP commands - see page 73 and 74 for instructions.
6. A paired soundbar and bass module - see page 75 for instructions.

## 1. Sound Bar Air Leak Test

- 1.1 Issue the following TAP commands

TN 65 ON (forces speaker array to active state)  
AU C (select TV Coax input)  
SO L,ALL (sends left input to all channels)  
SO 0,8 (mutes bass channel)  
VO CB 20 (sets volume level)

- 1.2 Apply a 285 Hz, 85 mVrms signal to the A/D converter.

- 1.3 Connect the Coax (SPDIF) output of the A/D converter to the TV Coax input of the sound bar.

- 1.4 Listen for any air leaks from sealed enclosures for the twiddlers, tweeter, and phase guide arrays.

## 2. Sound Bar Buzz and Sweep Test

- 2.1 Issue the following TAP commands

TN 65 ON (forces speaker array to active state)  
SO BDSP (resets DSP)  
AU C (select TV Coax input)  
VO CB 20 (sets volume level)  
SO 0,8 (mutes bass channel)

- 2.2 Apply a 200 Hz, 85 mVrms signal to the A/D converter left input.

- 2.3 Connect the Coax (SPDIF) output of the A/D converter to the TV Coax input of the sound bar.

- 2.4 Sweep the audio generator form 200 Hz to 2 kHz.

- 2.5 Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

- 2.6 Issue the TAP command VO CB 20 to set the volume level.

- 2.7 Apply a 200 Hz, 60 mVrms signal to the left and right input

- 2.8 Sweep the audio generator form 200 Hz to 2 kHz.

- 2.9 Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

- 2.10 Apply a 200 Hz, 85 mVrms signal to the right input of the A/D converter.

- 2.11 Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.

## 3. Transducer Operational Test

- 3.1 Issue the following TAP command TN 65 ON (forces speaker array to active state)

- 3.2 Issue TAP commands in the table below to generate audio for each transducer. The sound bar will generate this tone internally

- 3.3 Listen for clean undistored audio from each transducer.

- 3.4 Refer to Figure 26 on page 76 for transducer location.

(SO FREQ LEVL SPKR)

TAP Command	Action
SO 350 -30 0	Left #0 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 1	Left Center #1 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 2	Center #2 Array On
SO 0 -100 ALL	Mute All
SO 350 -30 3	Right Center #3 On
SO 0 -100 ALL	Mute All
SO 350 -30 4	Right #4 Array On
SO 0 -100 ALL	Mute All
SO 2500 -30 5	Left Phase Guide # 5 On
SO 0 -100 ALL	Mute All
SO 2500 -30 6	Right Phase Guide #6 On
SO 0 -100 ALL	Mute All
SO 350 -30 7	Center #7 Array On
SO 0 -100 ALL	Mute All
SO 100 -30 8	Bass Module On
SO 0 -100 ALL	Mute All

# CineMate® 1SR Performance Verification Procedures

<p><b>4. Verify Bass Module Link</b></p> <p><b>4.1</b> Issue the following TAP commands</p> <p>TN 65 ON (forces speaker array to active state) SO BDSP (resets DSP) AU C (select TV Coax input) VO CB 20 (sets volume level) SO L,8 (Routes left channel to bass box)</p> <p><b>4.2</b> Apply a 85mv, 40 Hz signal to the A/D converter.</p> <p><b>4.3</b> Connect the Coax (SPDIF) output of the A/D converter to the TV Coax input of the sound bar.</p> <p><b>4.4</b> Listen for clean undistorted audio from the bass module.</p> <p><b>5. Bass Module Air Leak</b></p> <p><b>5.1</b> Issue the following TAP commands</p> <p>TN 65 ON (forces speaker array to active state) SO BDSP (resets DSP) AU C (select TV Coax input) VO CB 20 (sets volume level)</p> <p><b>5.2</b> Mute the sound bar channels by issuing the following TAP commands</p> <p>SO 0,0 SO 0,1 SO 0,2 SO 0,3 SO 0,4 SO 0,5 SO 0,6 SO 0,7</p> <p><b>5.3</b> Set the bass box tone control to the center position.</p> <p><b>5.4</b> Apply a 50 Hz, 100 mVrms signal to the A/D converter</p> <p><b>5.5</b> Connect the Coax (SPDIF) output of the A/D converter to the TV Coax input of the sound bar.</p> <p><b>5.6</b> Listen for air leaks from the bass module seams and module cover.</p>	<p><b>6. Bass Module Sweep Test</b></p> <p><b>6.1</b> Issue the following TAP commands</p> <p>TN 65 ON (forces speaker array to active state) SO BDSP (resets DSP) AU C (select TV Coax input) VO CB 20 (sets volume level)</p> <p><b>6.2</b> Apply a 40 Hz, 100 mVrms signal to the A/D converter.</p> <p><b>6.3</b> Connect the Coax (SPDIF) output of the A/D converter to the TV Coax input of the sound bar.</p> <p><b>6.4</b> Sweep the audio generator from 40 - 300 Hz.</p> <p><b>6.5</b> Listen for buzz, rub, or extraneous sounds. Localize and repair any buzz. Replace any transducer that rubs or produces extraneous sounds.</p> <p><b>7. RF Testing, Wired</b></p> <p><b>7.1</b> Connect SMB cable part number 331731-0010 to the soundbar Acoustimass® and bass module speaker array connectors.</p> <p><b>7.2</b> Enter TAP command "RF DI" to retrieve the Device ID from the soundbar. Expected Output: <b>DEVICE_ID : 0x2001742B</b> <b>MANF_ID : 0x0000B05E</b> <b>PROD_ID : 0x01000001</b></p> <p><b>7.3</b> Read back connection status by issuing TAP command "rf gs" to the soundbar Expected Output: 0x0015 bytes, 0x0001 slaves, showing 0x0001 <b>NWK_STATUS : 0x1C</b> <b>SAMPLE_RATE : 0x264B</b> <b>ACH_USED : 0x0020</b> Slave 0X01: <b>DEVICE_ID : 0x2001742B</b> <b>MANF_ID : 0x0000B05E</b> <b>PROD_ID : 0x01000005</b> <b>ACHUSED : 0x0020</b> <b>WS_SDC_EN : 0x03</b></p> <p><b>7.4</b> Verify the network ID (line 1, word 1) matches the Device ID retrieve in step 7.2. This indicates the soundbar and bass module are paired.</p> <p><b>7.5</b> Verify NWK_STATUS=0x1C</p>
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# CineMate® 1SR Performance Verification Procedures

## 8. Antenna and RF Testing, Wireless

**8.1** Place the port of the bass module 3 feet from the left side of the sound bar.

**Note:** Surfaces in the test area will impact this measurement. Comparing results to a known good system will improve the accuracy of this test for your area.

**8.2** Read back connection status by issuing TAP command "rf gs" to the bass module

Expected Output:

0x20001B50 0x0000B05E 0x00001ED5

0x99

0x0020

0x00- 0x00- 0x00- 0x00- 0x00- 0x05+ 0x00- 0x00-  
0x00 0x00- 0x00- 0x00- 0x00- 0x00- 0x00- 0x00-

**-37**

40275

**0x0D**

832

0x0020

**8.3** Verify RSSI (line 5) is (< -20) AND (> -40)

**Note:** RSSI (Receive Signal Strength Indicator)

**8.4** Verify network status (line 7) = 0x0D

## 9. Input Test

**9.1** Issue the following TAP commands

TN 65 ON (forces speaker array to active state)

SO 0,8 (mutes bass channel)

VO CB 20 (sets volume level)

SO L,ALL (sends left input to all channels)

\*SO R,ALL (sends right input to all channels)

\*use the right channel for at least one test to ensure the right channel is working.

**9.2** When testing digital inputs, apply a 200 Hz, 85 mVrms signal to the A/D converter.

**9.3** When testing the analog input, apply a 200 Hz, 85 mVrms signal to the analog input.

**9.4** Refer to the table below for connections and TAP commands.

**9.5** Listen for clean undistorted audio.

Functional test for input..	Connect the A/D converter Coax output to Soundbar input..	Connect the Coax/Optical converter output to Soundbar input..	Connect the Analog signal generator to Soundbar input..	Issue TAP command
TV COAX	TV COAX	-	-	AU C
AUX COAX	AUX COAX	-	-	AU X
TV Optical	-	TV Optical	-	AU O
AUX Optical	-	AUX Optical	-	AU P
TV Analog	-	-	TV Analog	SO AL,ALL AU A

## Revision History

DATE	REV	ECN	Description
09/26/11	00		Initial Release
09/27/11	01		Updated content in test and disassembly
11/15/11	02	51264	Updated bass module and sound bar DSP PCBs
12/05/12	03	51859	New bass module AC cable
12/23/11	04	51363	New power pack and doc
02/29/12	05		New cables
07/16/12	06	53312	Part number change on Twiddler
01/01/13	07	54381	New Cinemate 1SR remote – updated IR integration codes db
01/08/13	08		ADDED PROGRAMMED FLASH U601 - Bass Box I/O PCB
05/07/13	09		Added new 1SR DSP PCBs
08/21/13	10	56177	Added new I/O SLABS
09/20/13	11		Added Safety bulletin reference for MOVs

**Specifications and Features Subject to Change Without Notice**

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Bose Corporation  
The Mountain  
Framingham Massachusetts USA 01701  
P/N 329199-SM REV. 11 9/13 (H)  
<http://serviceops.bose.com>